

# CITY OF RIDGELAND, MISSISSIPPI

## ADCOCK DRIVE EXTENSION



*Mayor:*

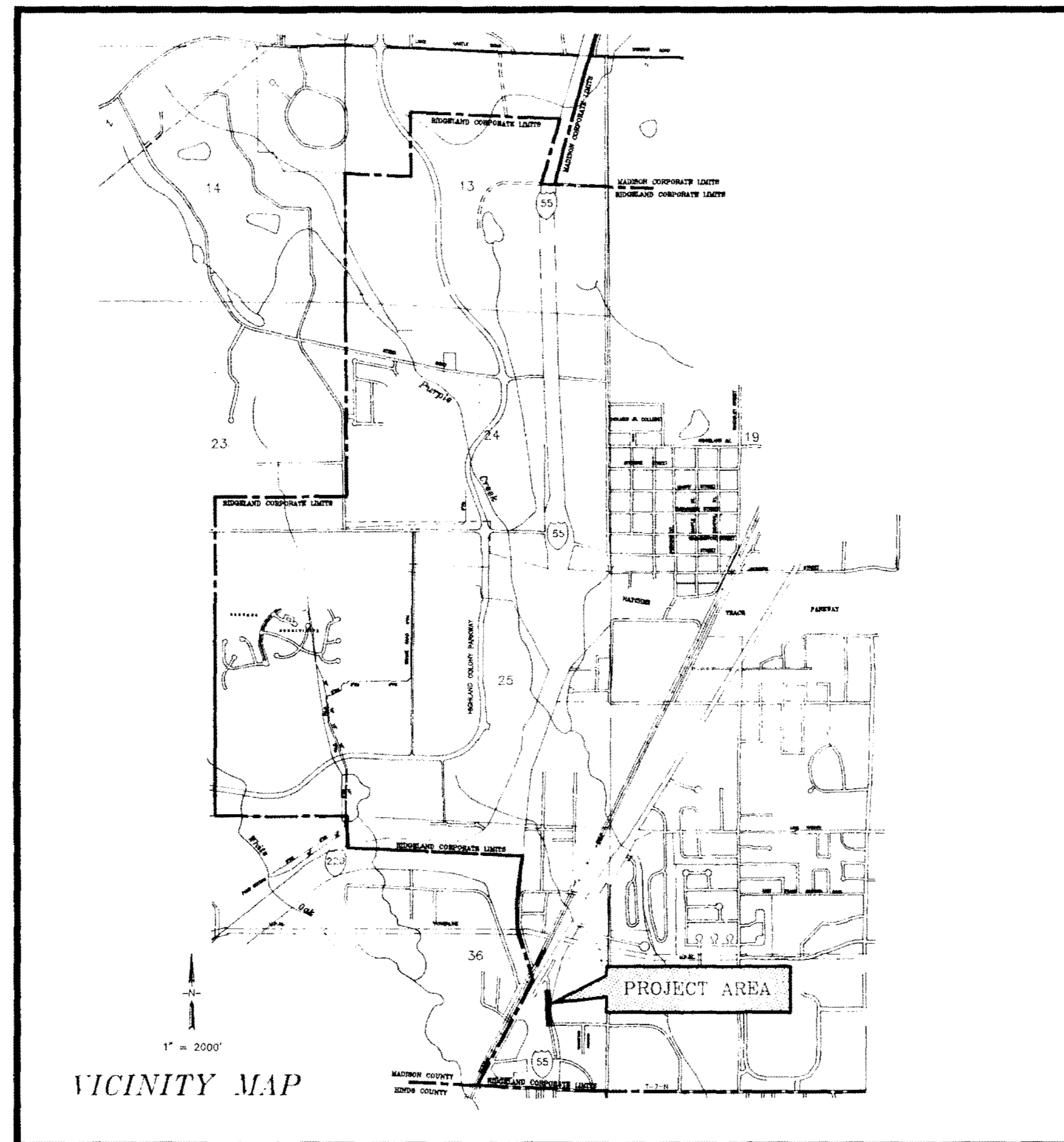
*Gene F. McGee*

*Mayor Pro Tem:*

*Harvey Carr, Jr.*

*City Attorney:*

*Jerry Mills*



*Aldermen:*

*Brian Barcellona*

*Al Bible*

*Harvey Carr, Jr.*

*Linda Davis*

*Daryl Smith*

*Public Works Director:*

*Sam Vinson, P.E.*

*Asst. Public Works Director:*

*Sid Hawthorne*

*City Clerk:*

*Michael McPhearson*

*Fire Chief:*

*Elmer Waits*

*Police Chief:*

*Charles Newell*

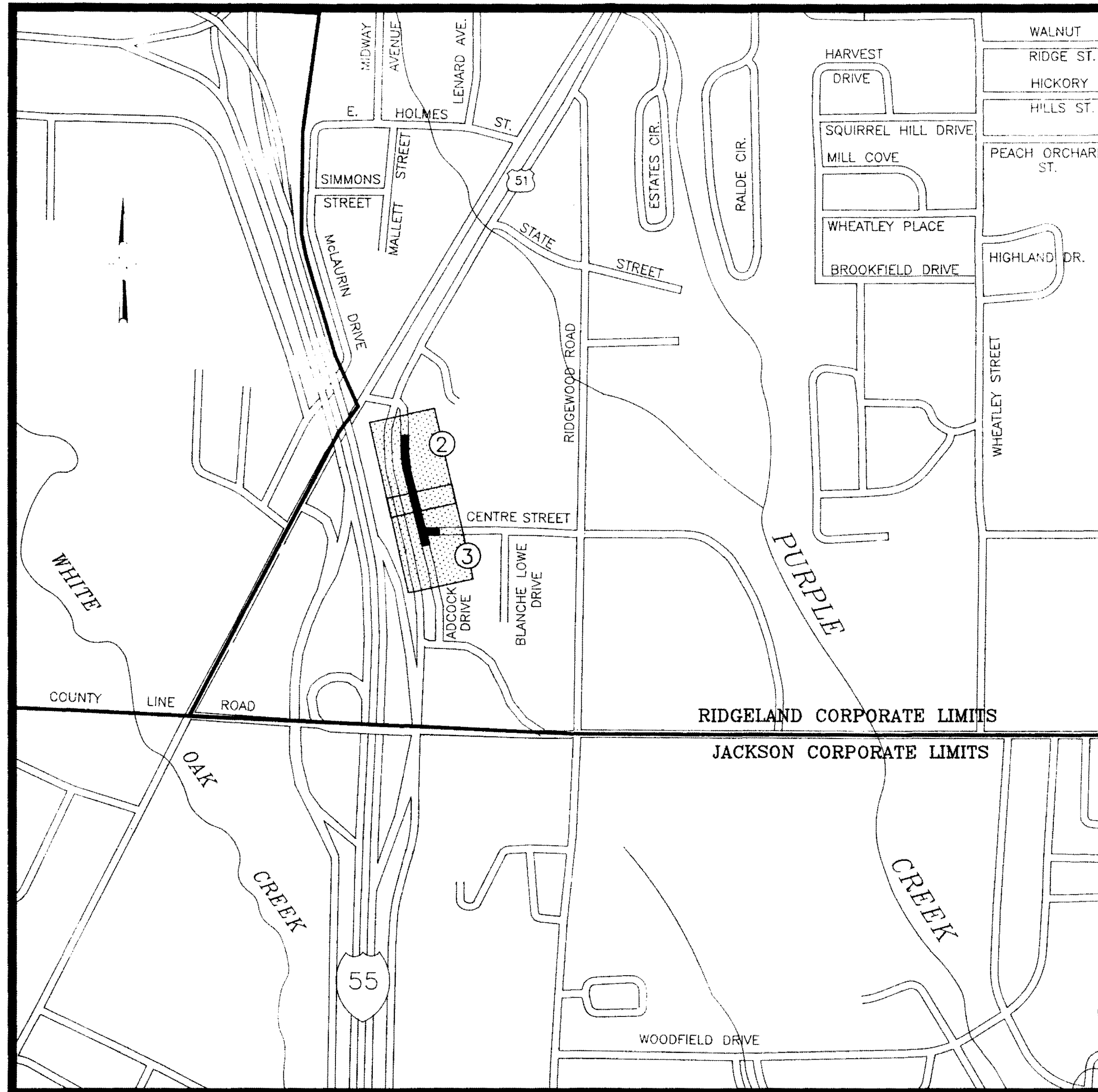
MAY 1993

WAGGONER ENGINEERING, INC.  
CONSULTING ENGINEERS

Jackson / Brandon / Pascagoula, Mississippi

*J.P.*  
5/26/93  
PWP-00102

- GENERAL CONSTRUCTION METHODS
- The existing utility locations shown on the Drawings are approximate only. The Contractor shall coordinate the location (horizontal and vertical) of existing utilities (power, telephone, gas, water, sewer, etc.) with the appropriate utility company before construction begins.
  - Utility lines or service lines encountered during construction, whether shown on the Drawings or not, shall be protected by the Contractor and repairs necessary due to damage to same by the Contractor shall be at no additional cost to the Owner.
  - The Contractor shall be responsible for verifying horizontal and vertical clearance requirements for utility service crossings before installation.
  - The Contractor shall fertilize and seed all areas where the existing vegetation was removed or disturbed during construction and not required to be sod, seeded, paved, graveled or landscaped.
  - Unsuitable bedding, backfill or site subgrade material which may be encountered shall be excavated to the limits required and backfilled with acceptable material to the lines and grades shown on the Drawings.
  - TBM's which are or may be in conflict with construction activities shall be relocated by Engineer prior to commencement of construction in the immediate area.
  - The Engineer will stake the base line and control points necessary for the required construction staking of the project, one time only. Detailed construction staking shall be by Contractor at no cost to the Owner.
  - The Contractor shall be responsible for completing sampling and testing of materials incorporated into the project and for submission of same to Engineer for review. Prior use test results, manufacturer's certificates, or proposed mix designs shall be submitted to the Engineer for review before incorporation into project. This shall include backfill, concrete, asphalt, steel, paint, piping, fencing materials, aggregates, seed and other items as specified by the Engineer. All testing shall be at Contractor's cost item.
  - Sanitary sewer, storm sewer and water main reach lengths may be varied during construction of project to conform to normal pipe joint lengths.
  - Existing sanitary manhole tops, water valves, valve boxes, meters or other related appurtenances shall, when required, be adjusted to finished grade by Contractor as an absorbed cost of the work. Castings shall be salvaged for the Owner by the Contractor.
  - Testing certifications shall state that the subject material meets the specified quality, grade, purity, class or weight, or that the subject material meets or exceeds the requirement of the applicable ASTM, AASHTO, MDOT or other standards. Certifications shall be submitted to the Engineer prior to incorporation of the subject material into the project.
  - Existing fences shall be removed and replaced with the same type material as used for the original. Unless otherwise stated on the Bid Form, fence removal/replacement shall be an absorbed cost item.
  - Traffic signs or delineators required under this Contract shall be constructed and installed in accordance with the Project Drawings and the MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, MDOT, 1990 EDITION as if said standards were written out herein in full. Measurement and Payment for traffic signs and delineators shall be as specified on the Bid Form.  
The reflective sheeting material used for construction of STOP signs shall be "Diamond Back" as manufactured by the 3-M Company.
  - Contractor shall maintain through traffic along all existing roadways as well as provide access to each business located adjacent to the project area, for the length of the contract period. Traffic control shall be in accordance with the requirements of the Manual of Uniform Traffic Control Devices, latest edition, and Mississippi Department of Transportation permit issued for the work.
  - Cut zones for storm sewer, sanitary sewer or water mains, where applicable, shall be measured from the original ground profile or proposed grade, whichever is less.



SHEET INDEX

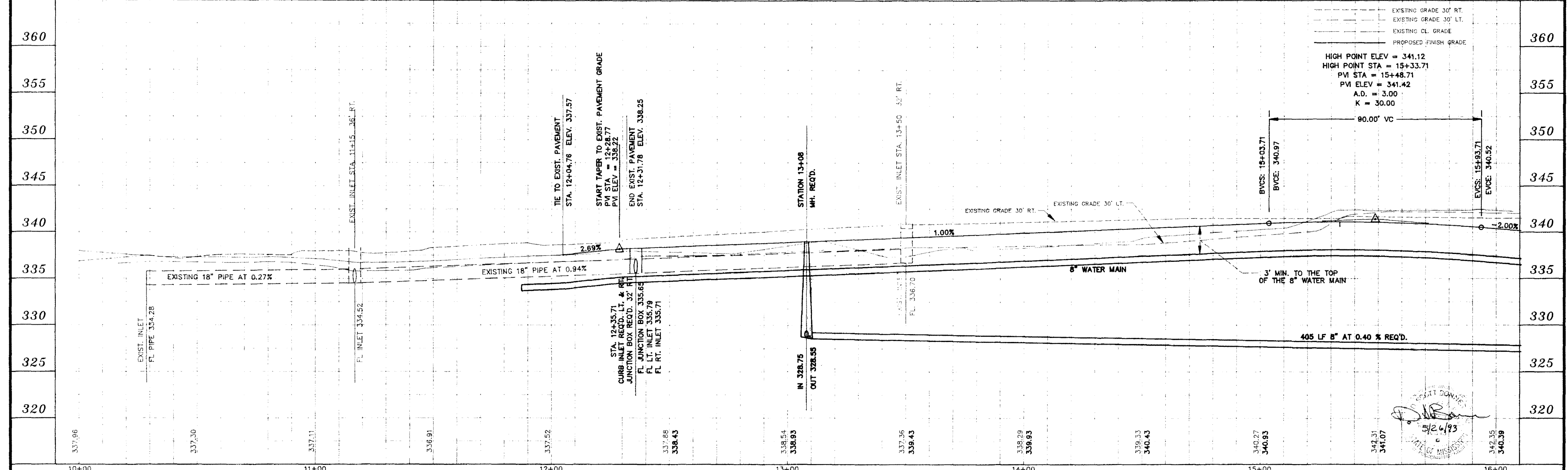
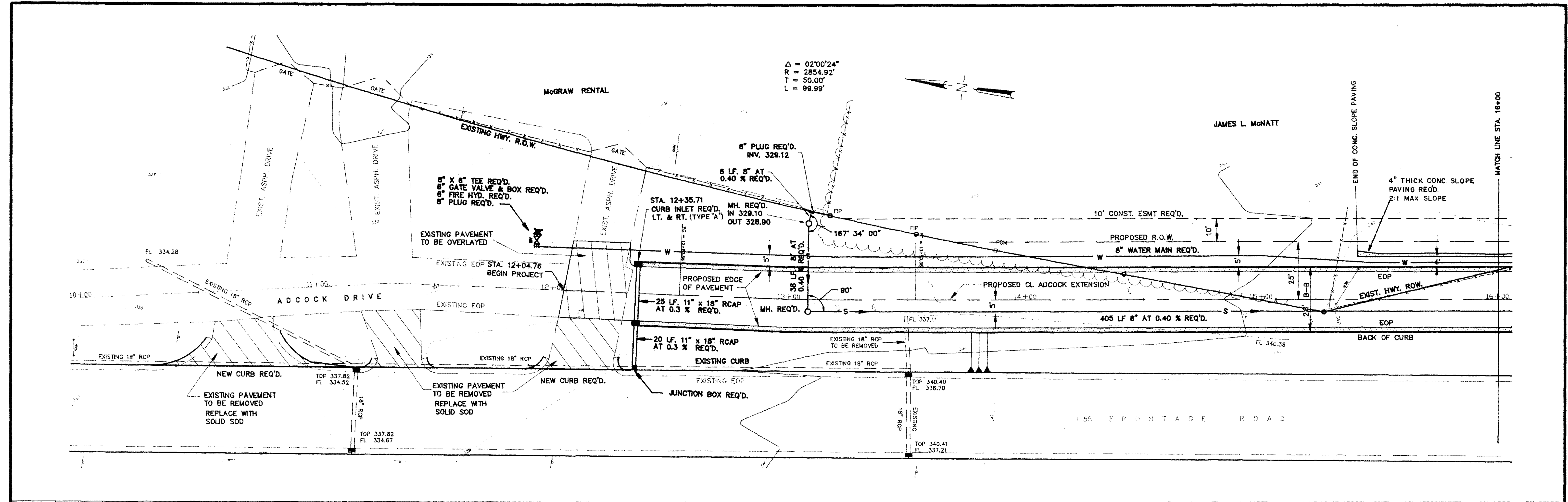
- 1 — PROJECT LAYOUT
- 2-3 — PLAN PROFILES
- 4 — STRIPING PLAN & TYPICAL SECTIONS
- 5-7 — CROSS SECTIONS
- 8 — WATER STANDARDS
- 9 — SANITARY SEWER STANDARD DETAILS
- 10 — INLET DETAILS



PROJECT LAYOUT SHEET		
CITY OF RIDGELAND ADCOCK DRIVE EXTENSION		
WAGGONER ENGINEERING, INC. Consulting Engineers - Jackson, Mississippi		
DRAWN BY: J.W.P.	DATE: MAY, 1993	SHEET NUMBER
REVIEWED BY: B.W.	SCALE: 1"=500'	1 OF 10

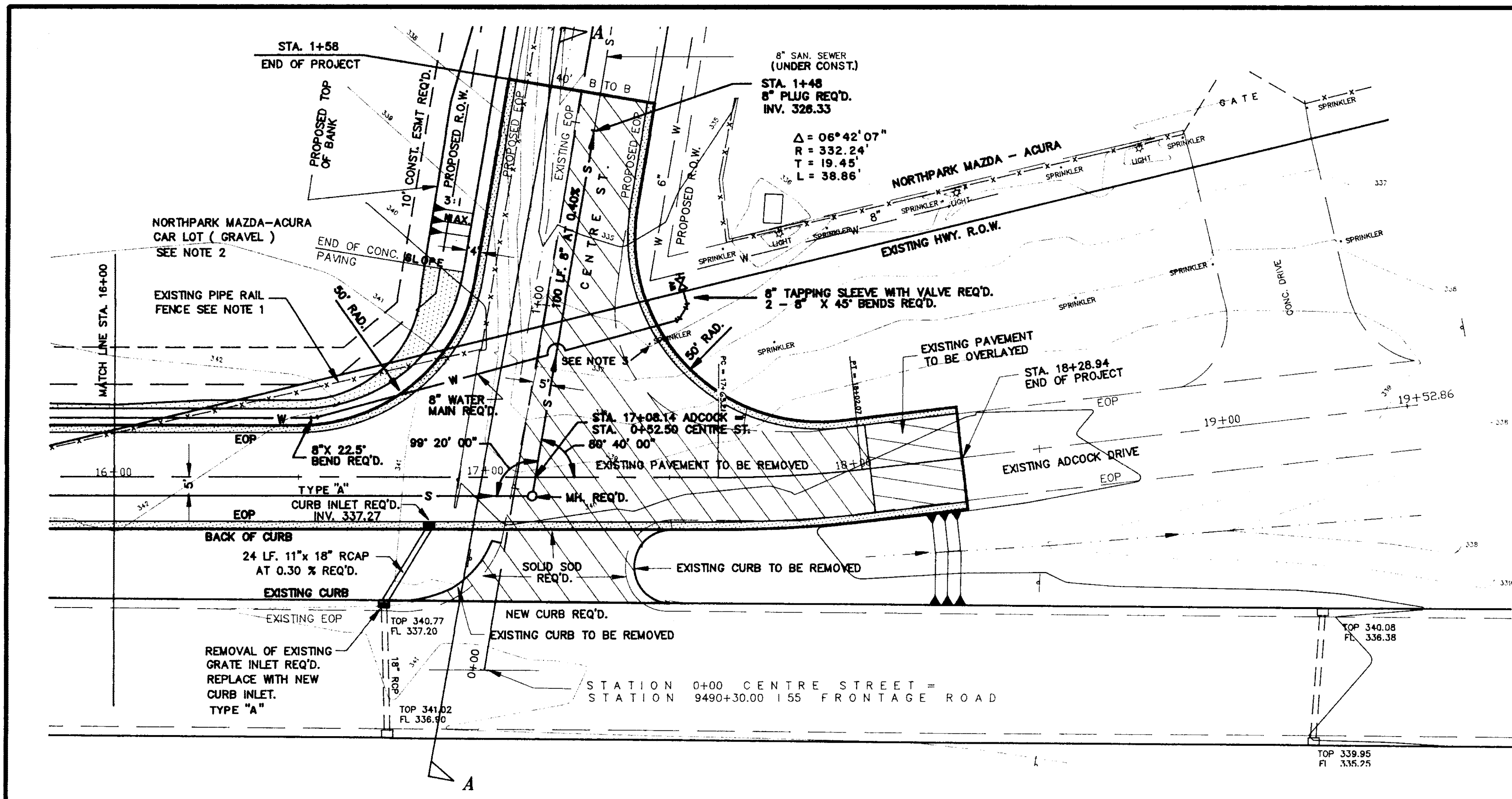
93040/LAYOUT



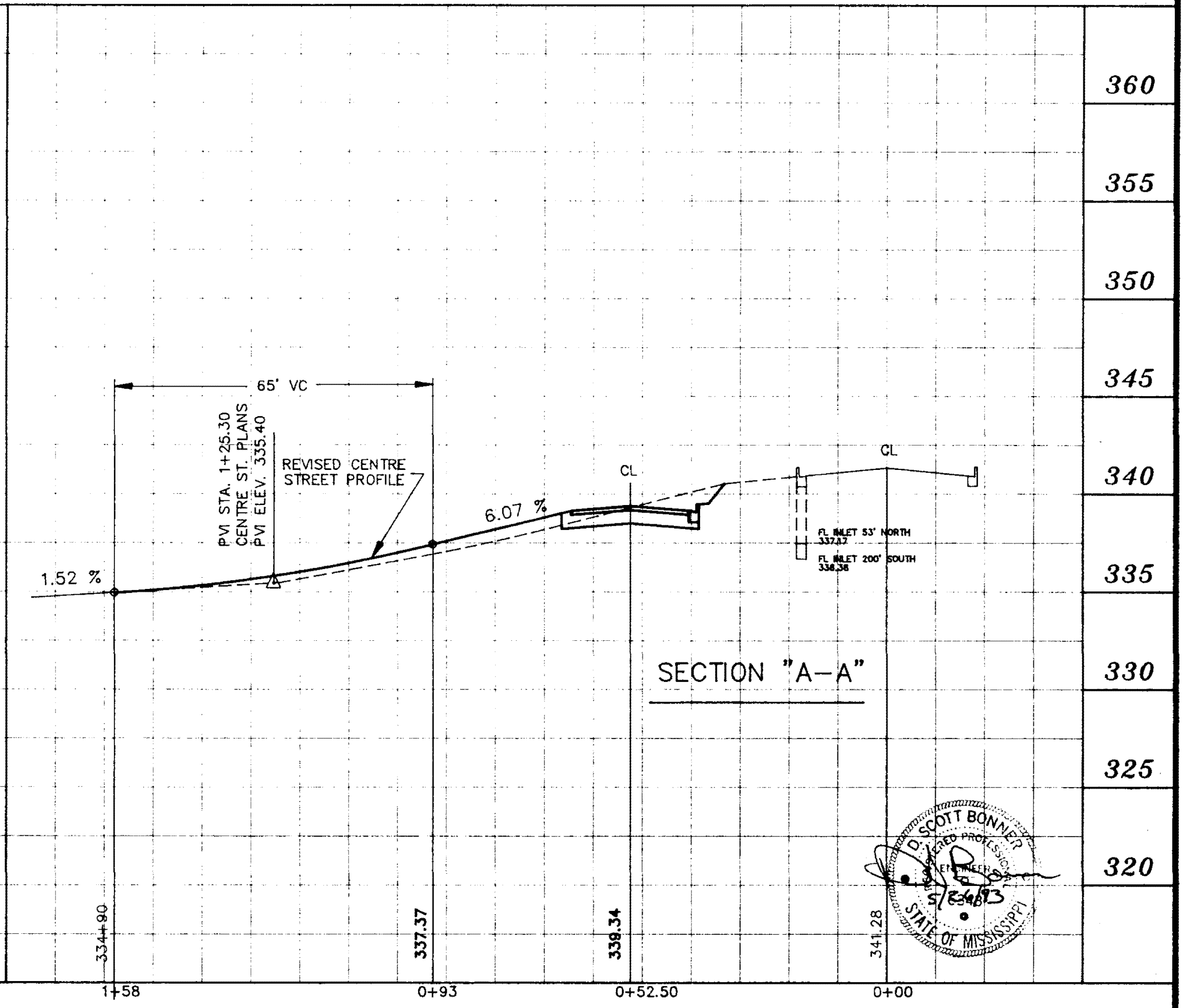
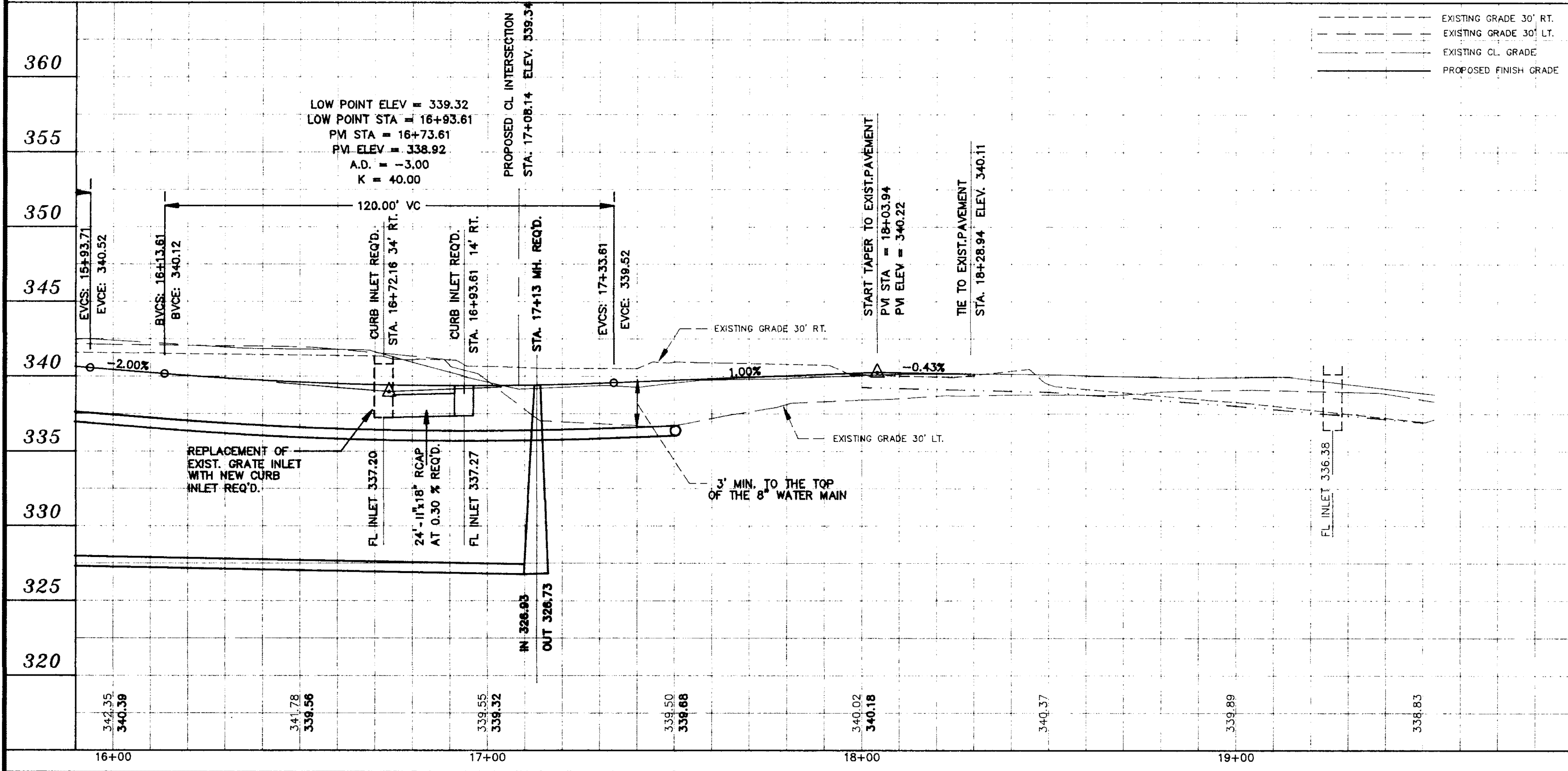


DESIGNED J.W.P.	DATE MAY 1993	WAGONER ENGINEERING INC. CONSULTING ENGINEERS JACKSON, MISSISSIPPI	CITY OF RIDGELAND ADCOCK DRIVE EXTENSION	ACAD PATH ROUTE 93040/ADCOCK(PPR01)
DRAWN J.W.P.	SCALE 1" = 20' HORIZ 1" = 5' VERT.			W.E.I. JOB NO. 93-040
NO. DATE	REVISIONS	BY		





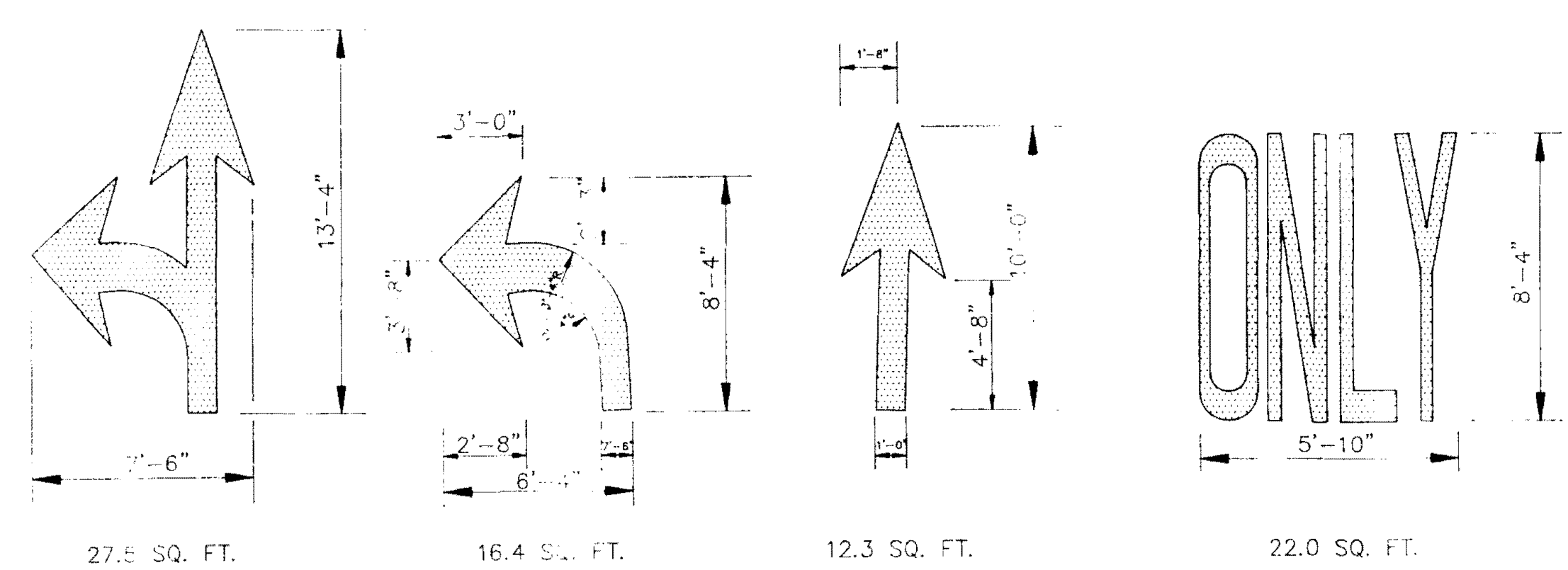
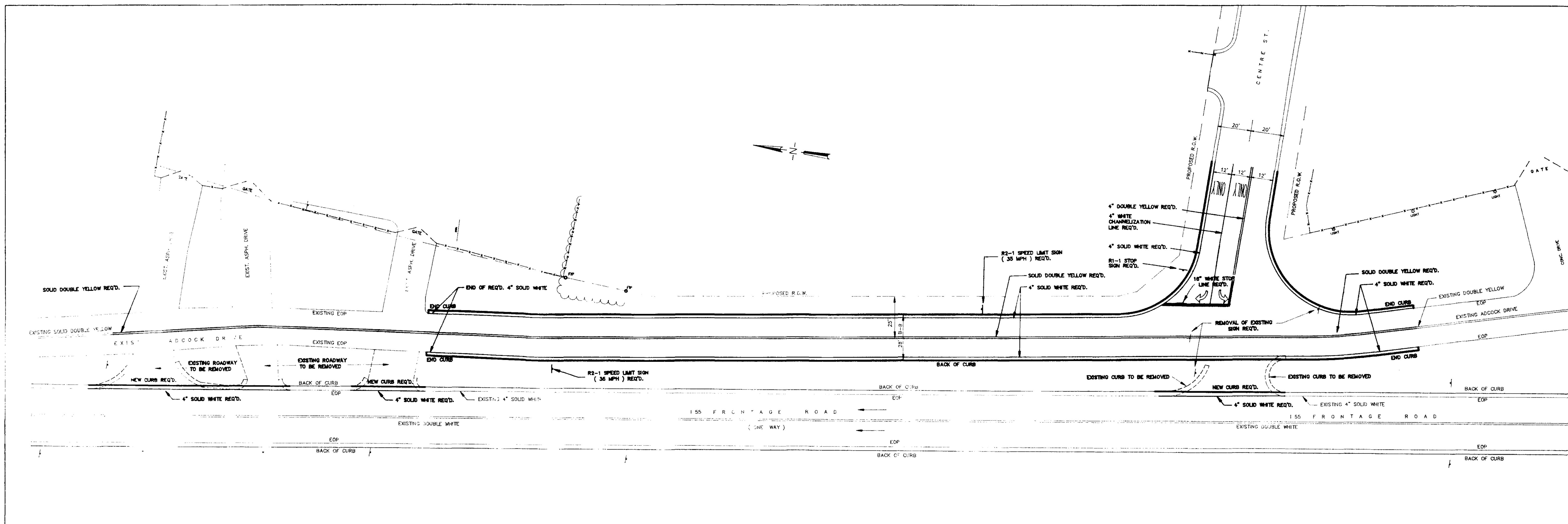
- NOTES:
- EXISTING RAIL FENCE SHALL BE TEMPORARILY RELOCATED TO THE LIMITS OF THE TEMPORARY CONSTRUCTION EASEMENT AND SHALL BE PERMANENTLY CONSTRUCTED AT THE PROPOSED RIGHT-OF-WAY LINE AFTER THE CONSTRUCTION EASEMENT IS NO LONGER NEEDED.
  - GRAVEL CAR LOT DISTURBED BY CONSTRUCTION SHALL BE GRADED AND RETURNED TO ORIGINAL CONDITION OR BETTER AS DETERMINED BY THE ENGINEER.
  - EXISTING IRRIGATION SYSTEM HEADS, PIPING AND APPURTENANCES SHALL BE RELOCATED TO PROVIDE COVERAGE TO THE REMAINING IRRIGATED AREAS. MATERIALS SHALL BE THE SAME AS EXISTING MATERIALS IN NAME, BRAND AND QUALITY.



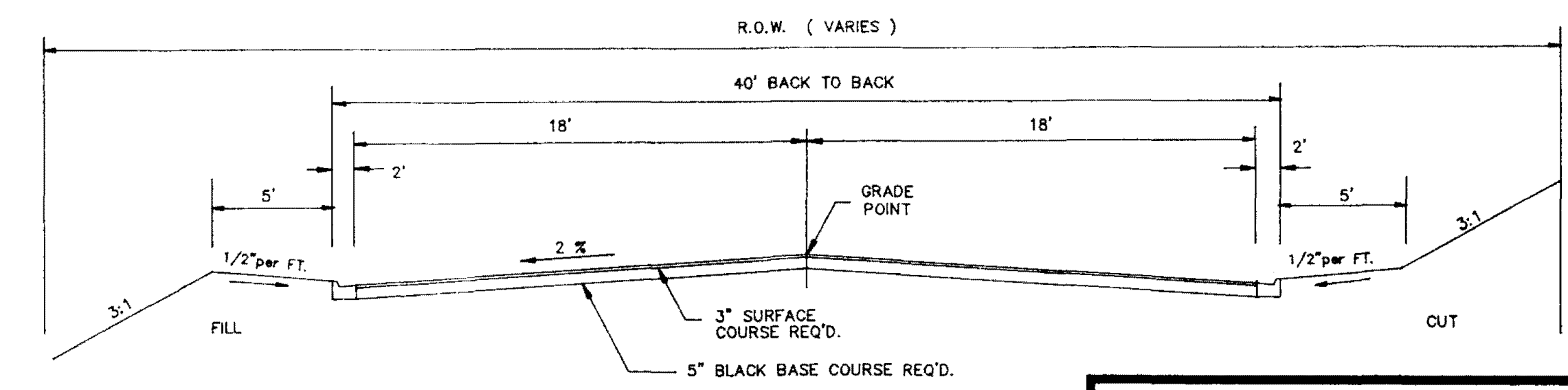
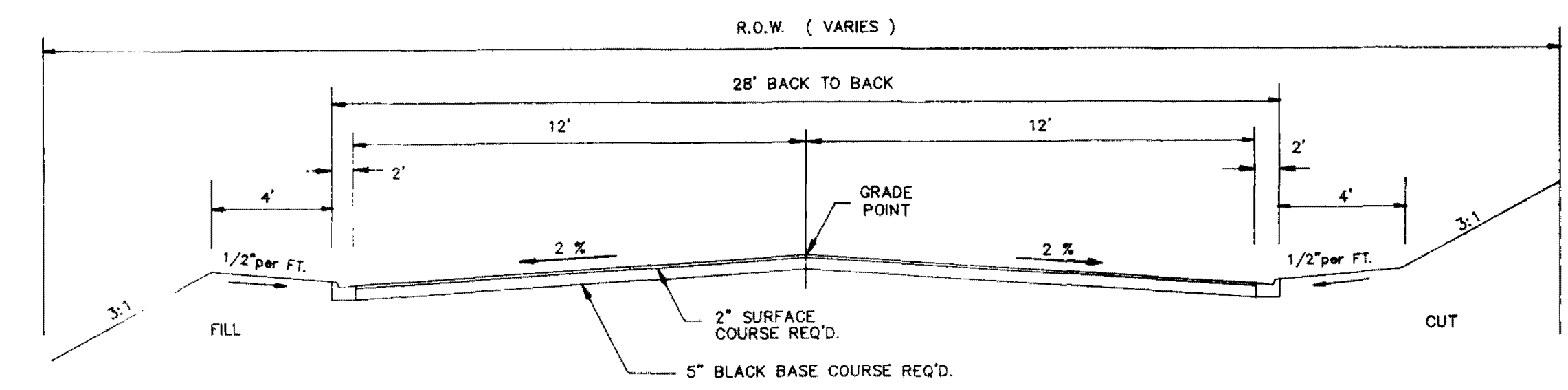
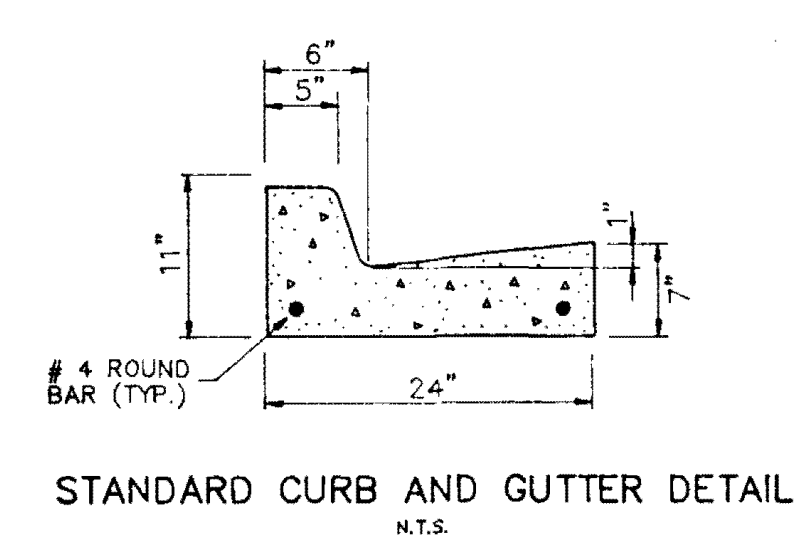
NO.	DATE	REVISIONS	BY

DESIGNED J.W.P. DATE MAY 1993  
 DRAWN J.W.P. SCALE 1" = 20' HORIZ. 1" = 5' VERT.  
**WAGGONER ENGINEERING INC. CONSULTING ENGINEERS**  
 JACKSON, MISSISSIPPI

**CITY OF RIDGELAND**  
**ADCOCK DRIVE EXTENSION**  
 W.E.L. JOB NO. 93-040 SHEET NO. 3 OF 10  
 ACAD PATH ROUTE 93040\ADCOCK(PPR02)



- NOTES**
1. ALL TEMPORARY CENTERLINE, TENDS AND STOP BARS ARE TO BE PAINT MEETING THE MINIMUM REQUIREMENTS AS SPECIFIED IN THE MISS. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1990 EDITION. ALL EDGE STRIPE REQUIRED FOR THE TEMPORARY PHASE.
  2. ALL PERMANENT EDGE AND CENTERLINE STRIPING TO BE THERMOPLASTIC MEETING THE MINIMUM REQUIREMENTS AS SPECIFIED IN THE MISS. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1990 EDITION.
  3. ALL PERMANENT "LEGENDS" AND STOP BARS ARE TO BE 3M STAMARK OR APPROVED EQUAL.
  4. ALL TRAFFIC CONTROL REGULATORY AND WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MOST RECENTLY PUBLISHED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  5. ALL R1-1 (STOP) SIGNS ARE TO HAVE A DIAMOND GRADE FINISH. ALL OTHER REGULATORY SIGNS ARE TO HAVE ENCAPSULATED LENS (HIGH INTENSITY) SHEETING AS SPECIFIED IN THE MISS. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL PERMANENT TRAFFIC SIGNING SHALL BE PLACED PRIOR TO AND DURING THE PLACEMENT OF THE TEMPORARY STRIPING.

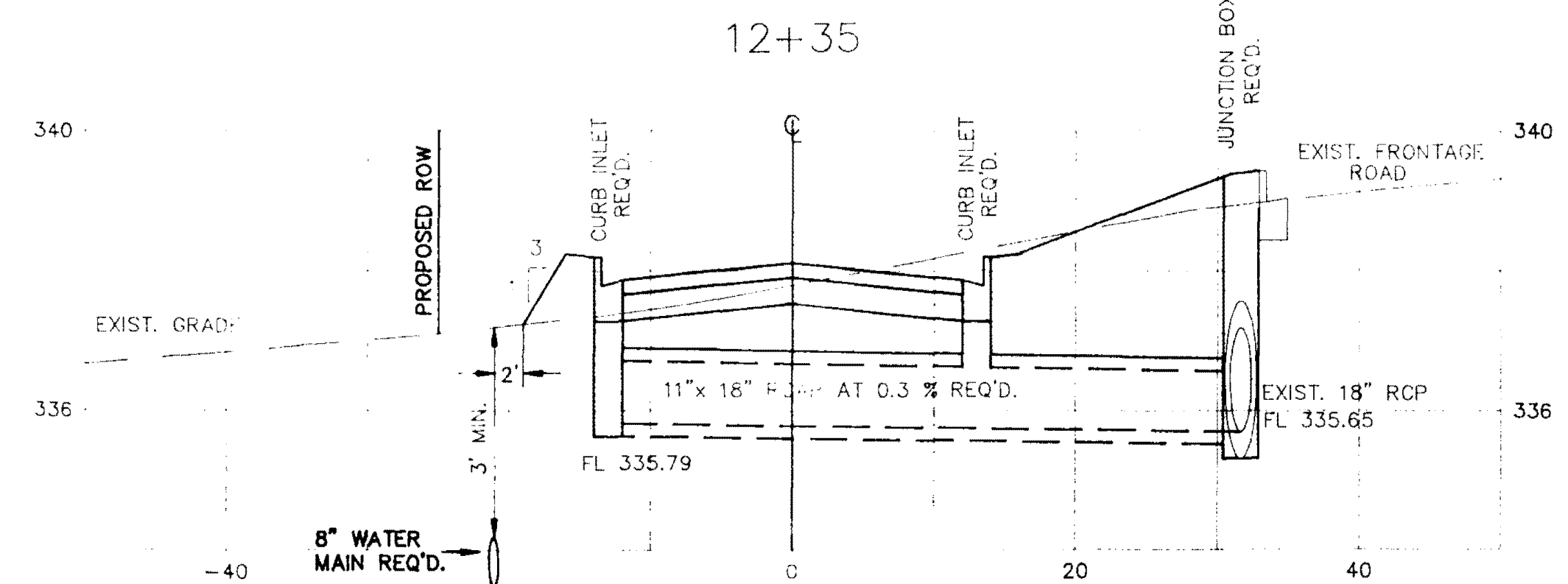
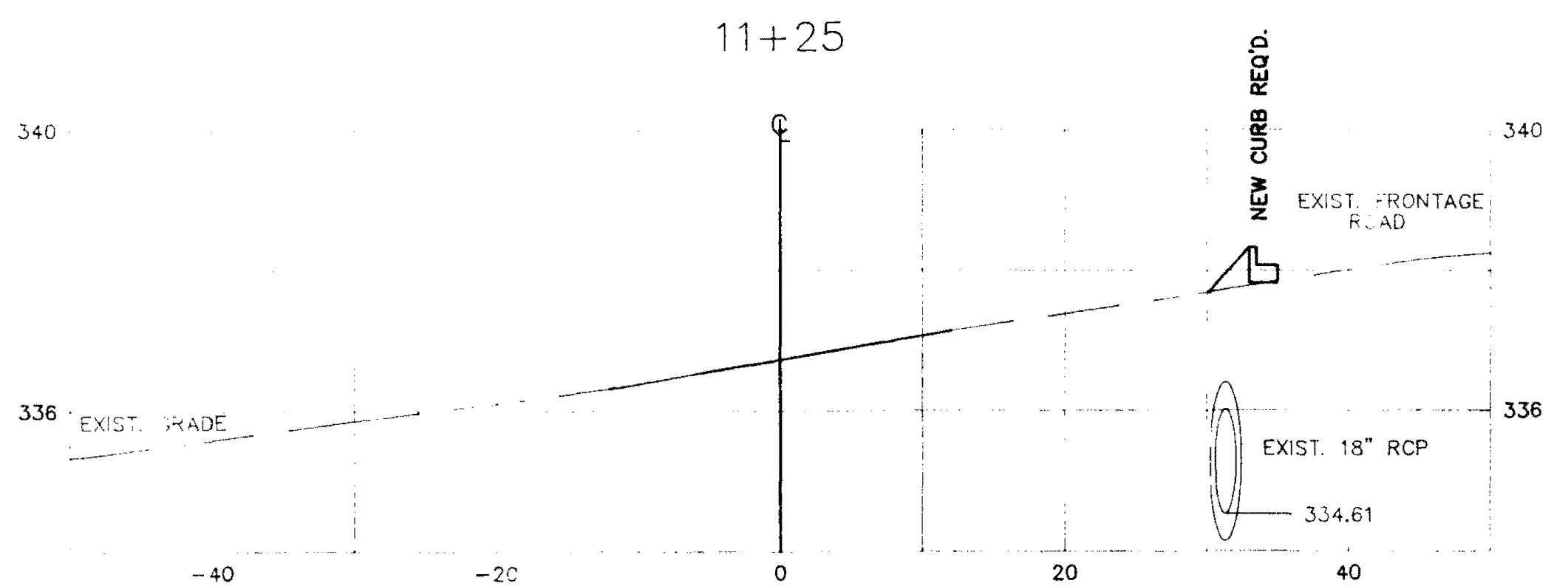
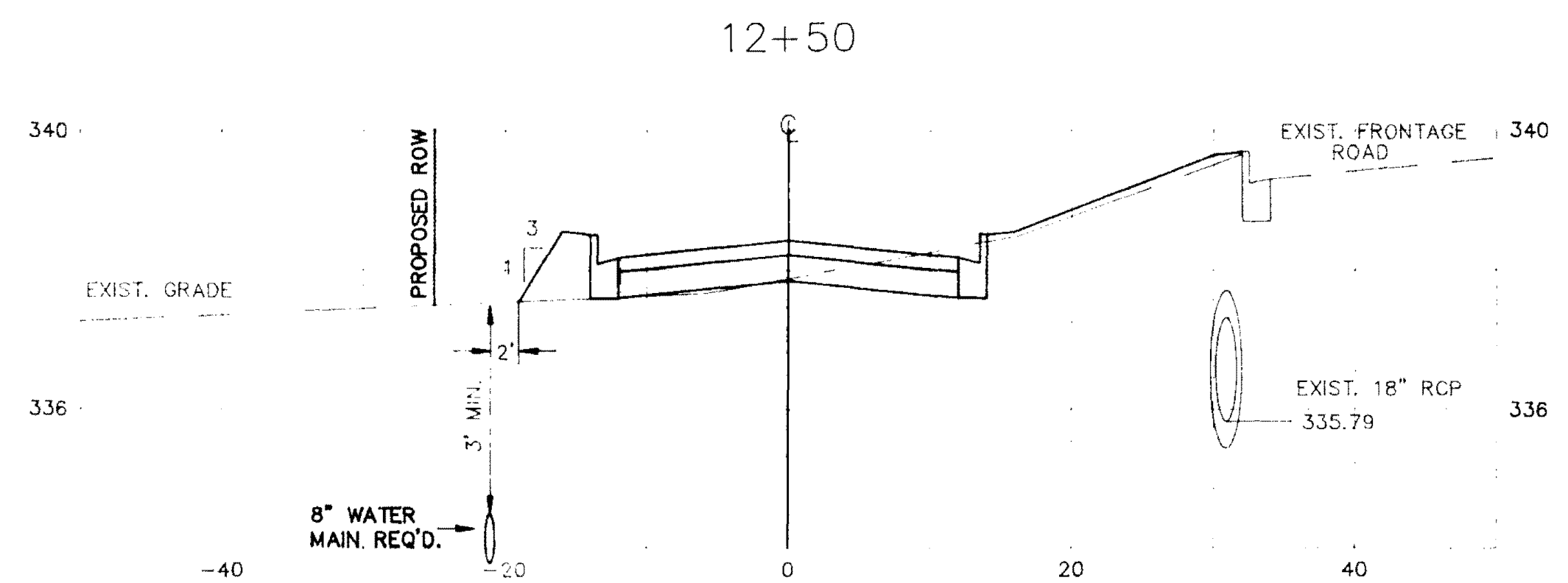
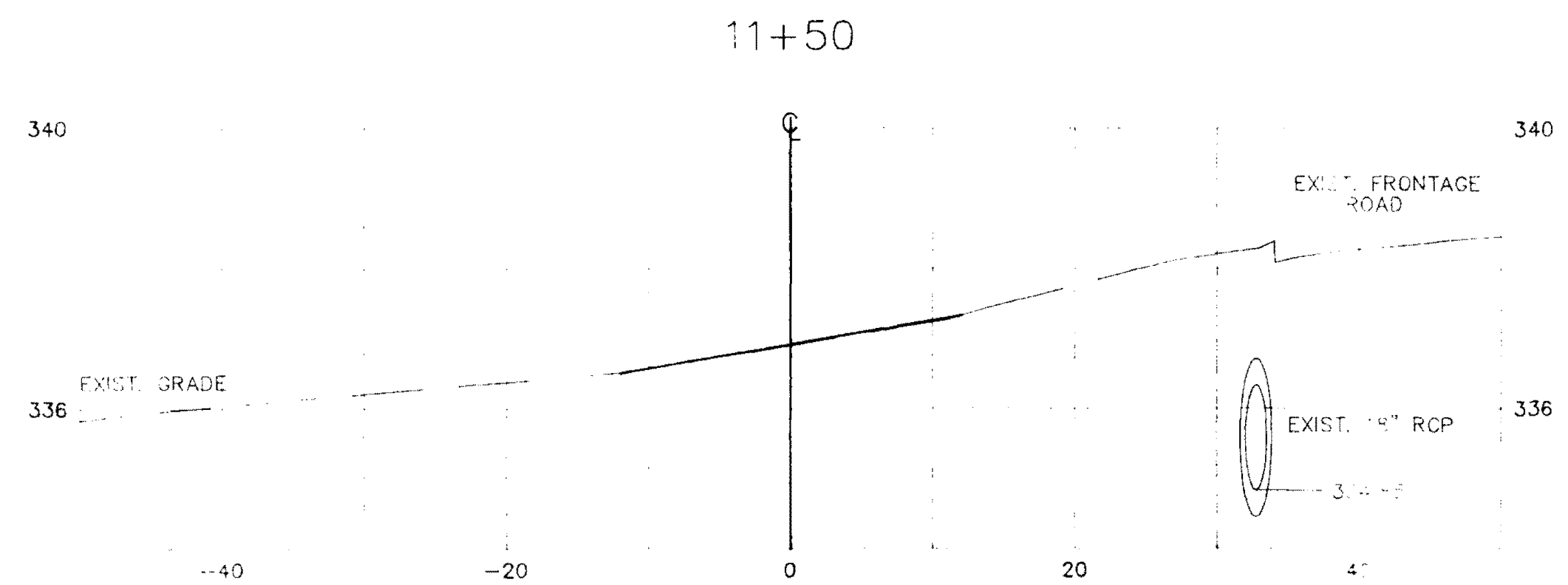
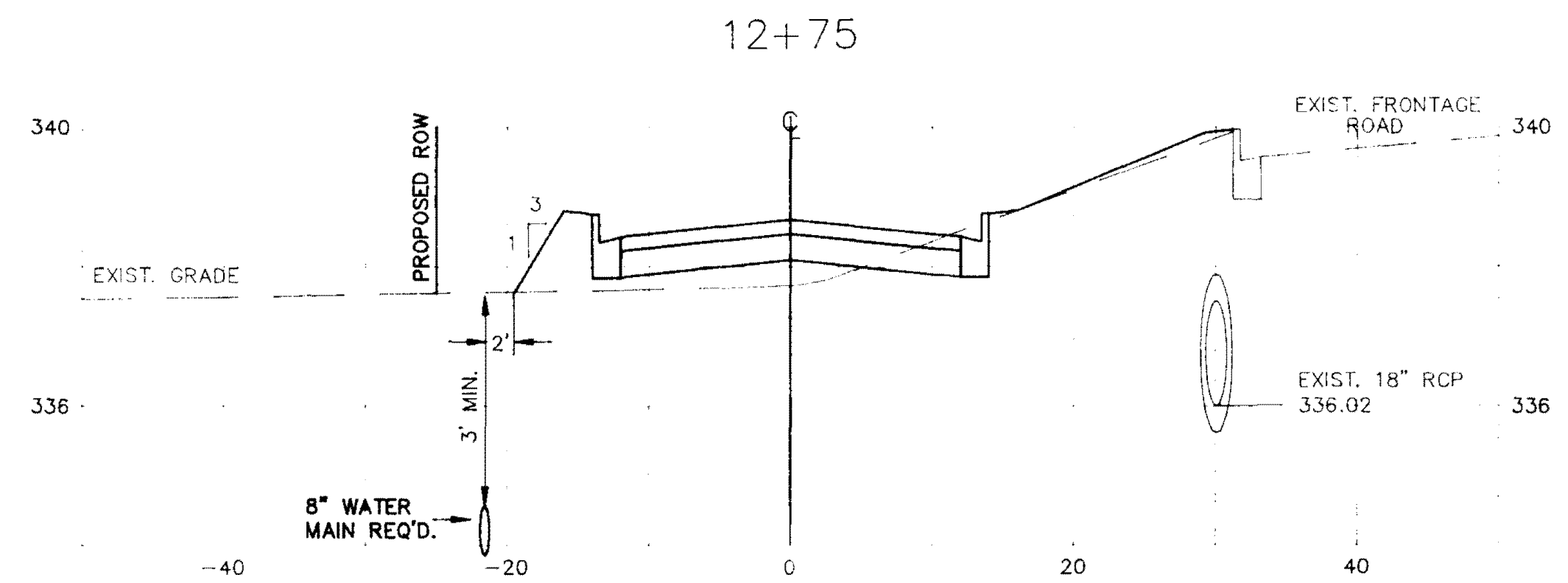
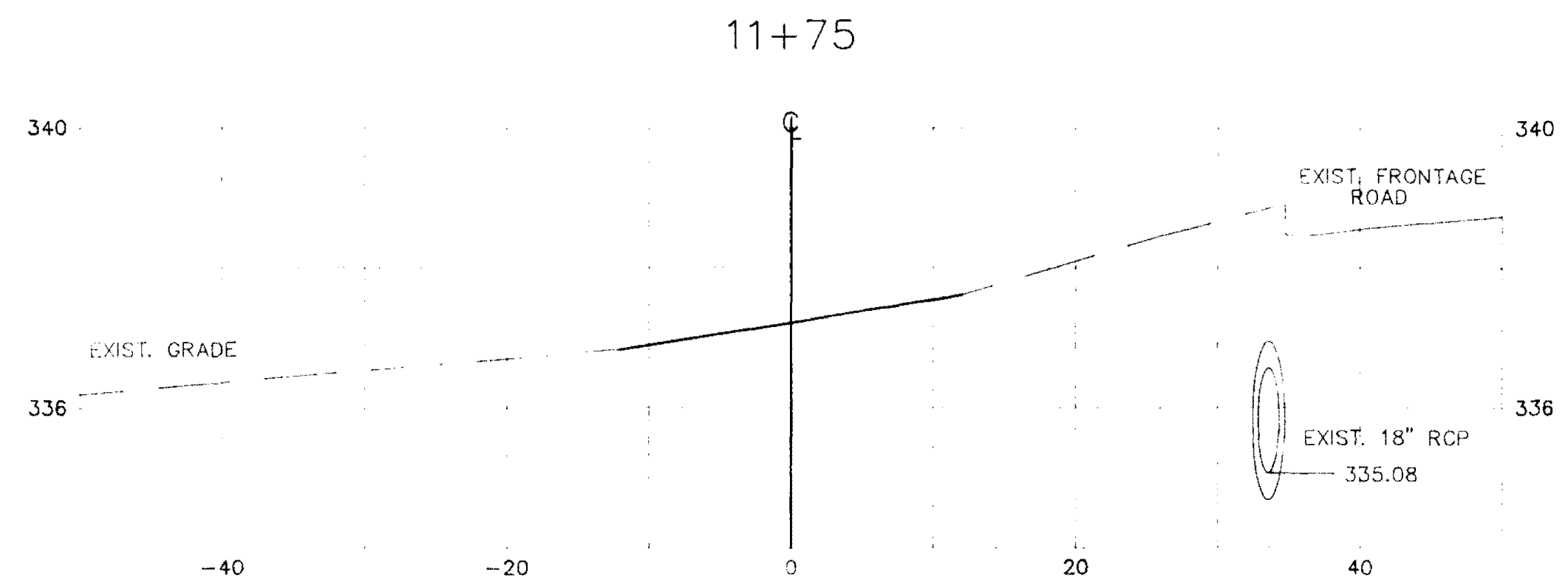
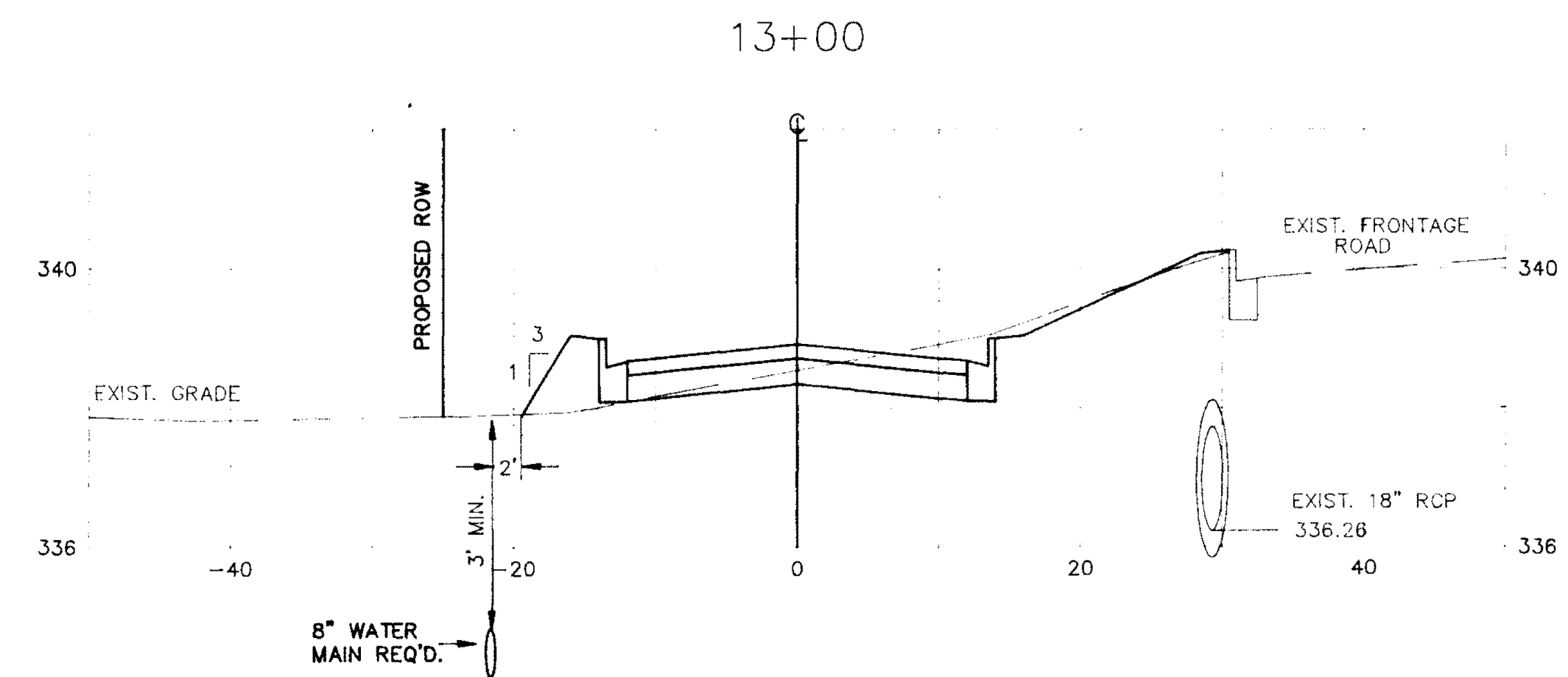
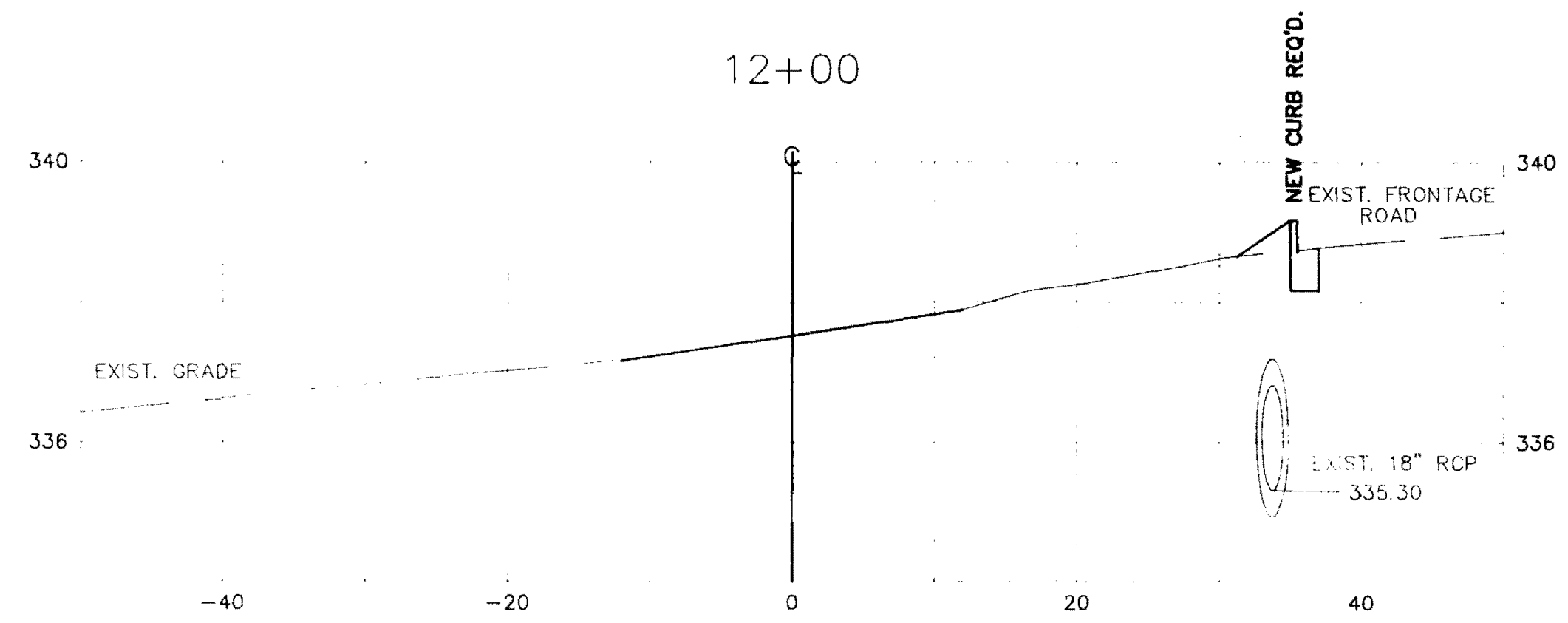


**STRIPING PLAN AND TYPICAL SECTION**  
**CITY OF RIDGELAND**  
**ADCOCK DRIVE EXTENSION**

WAGGONER ENGINEERING, INC.  
 Consulting Engineers - Jackson, Mississippi

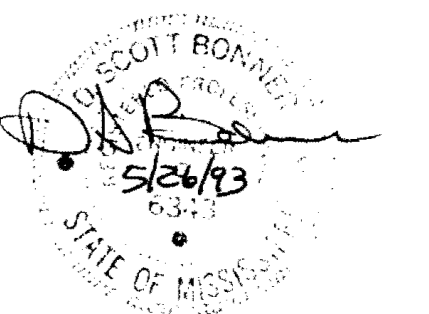
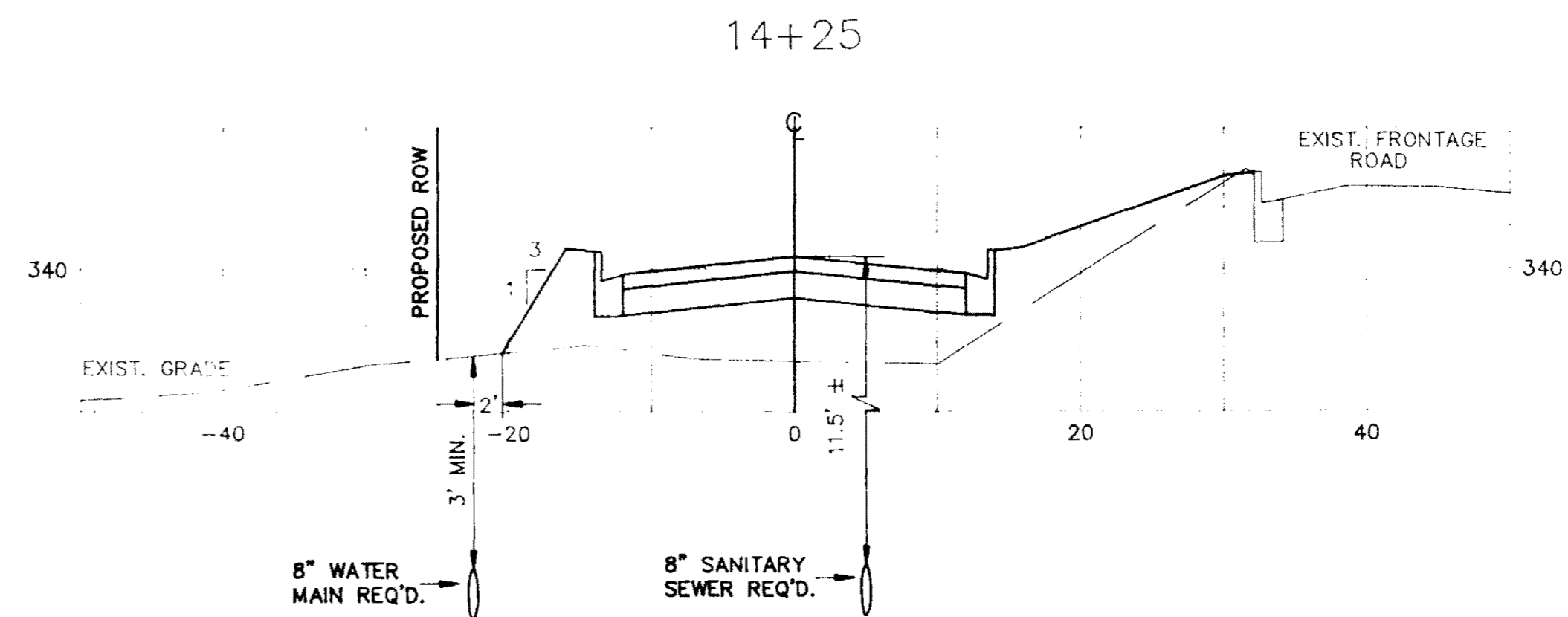
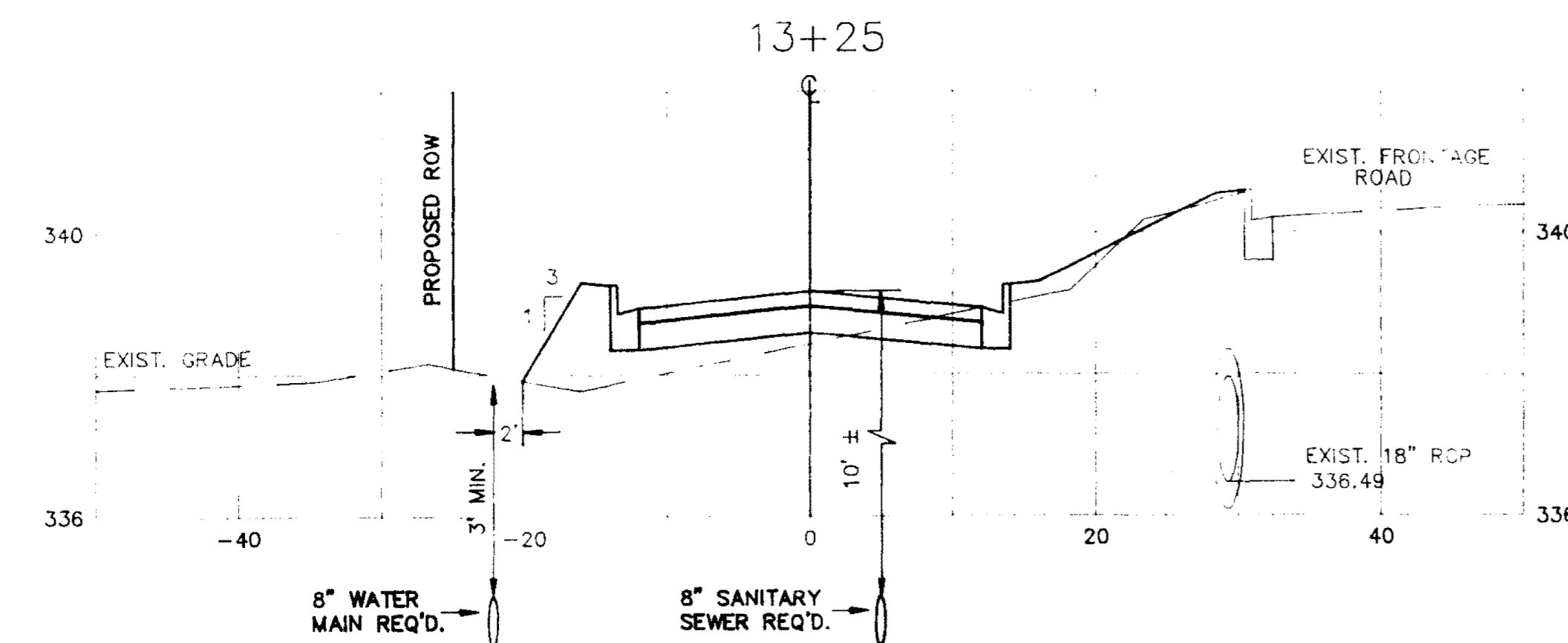
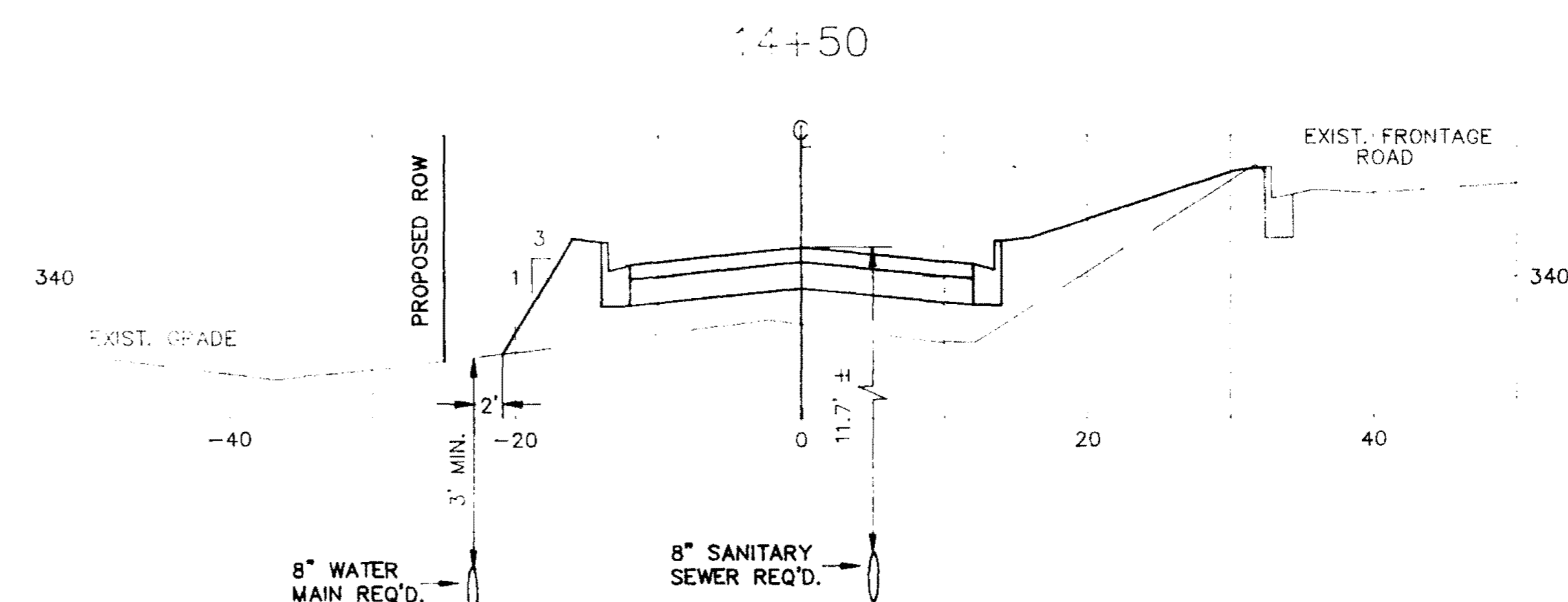
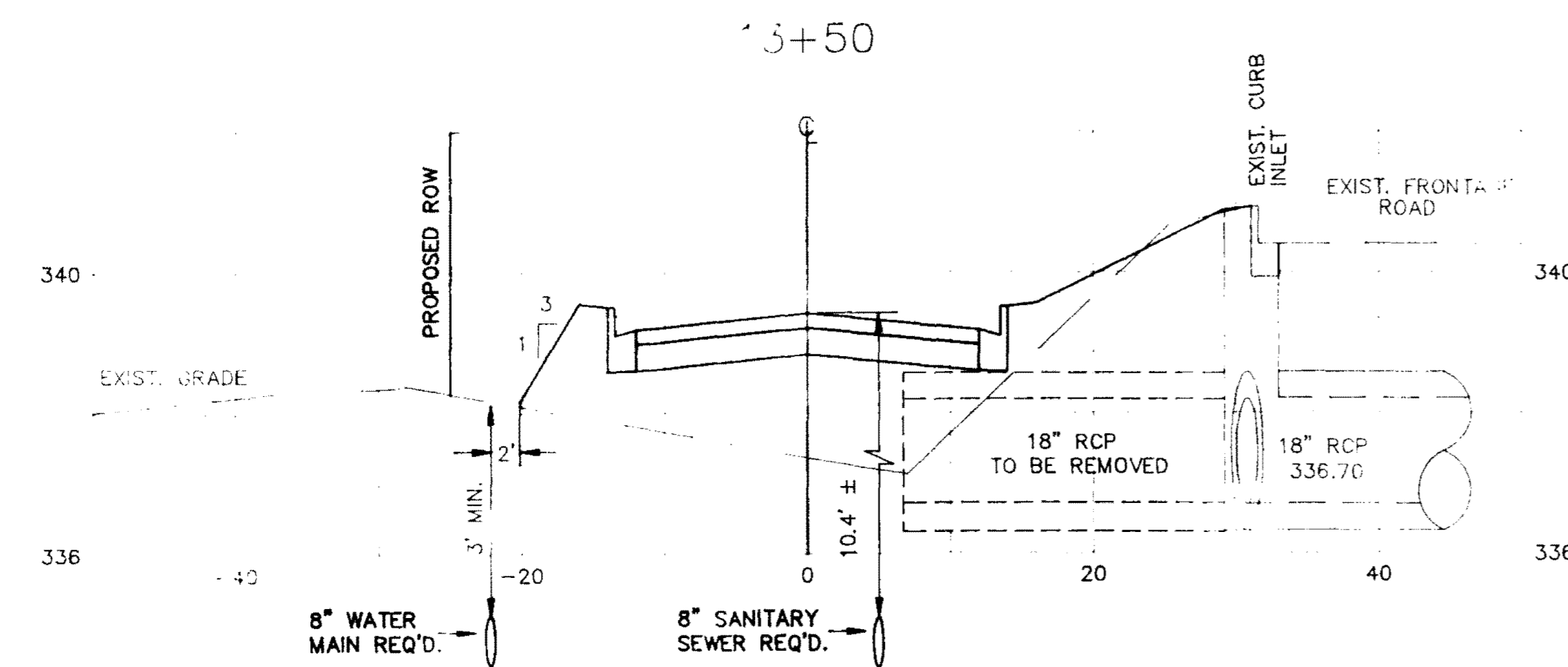
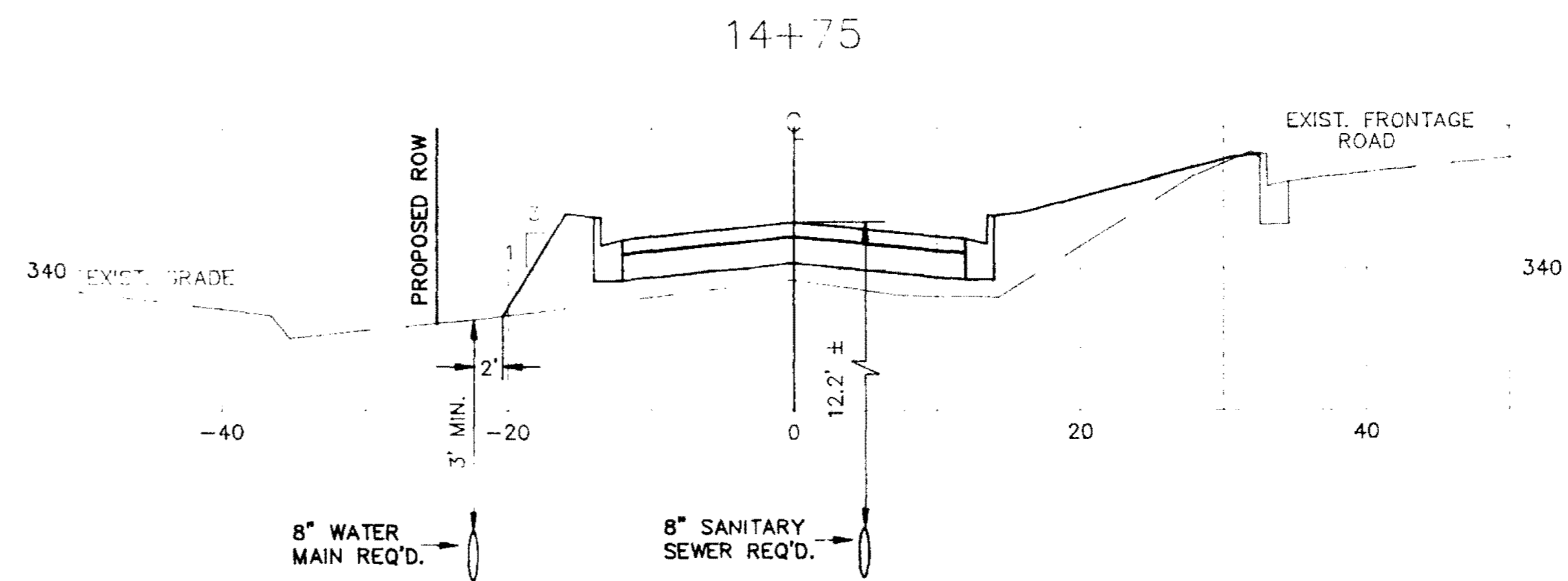
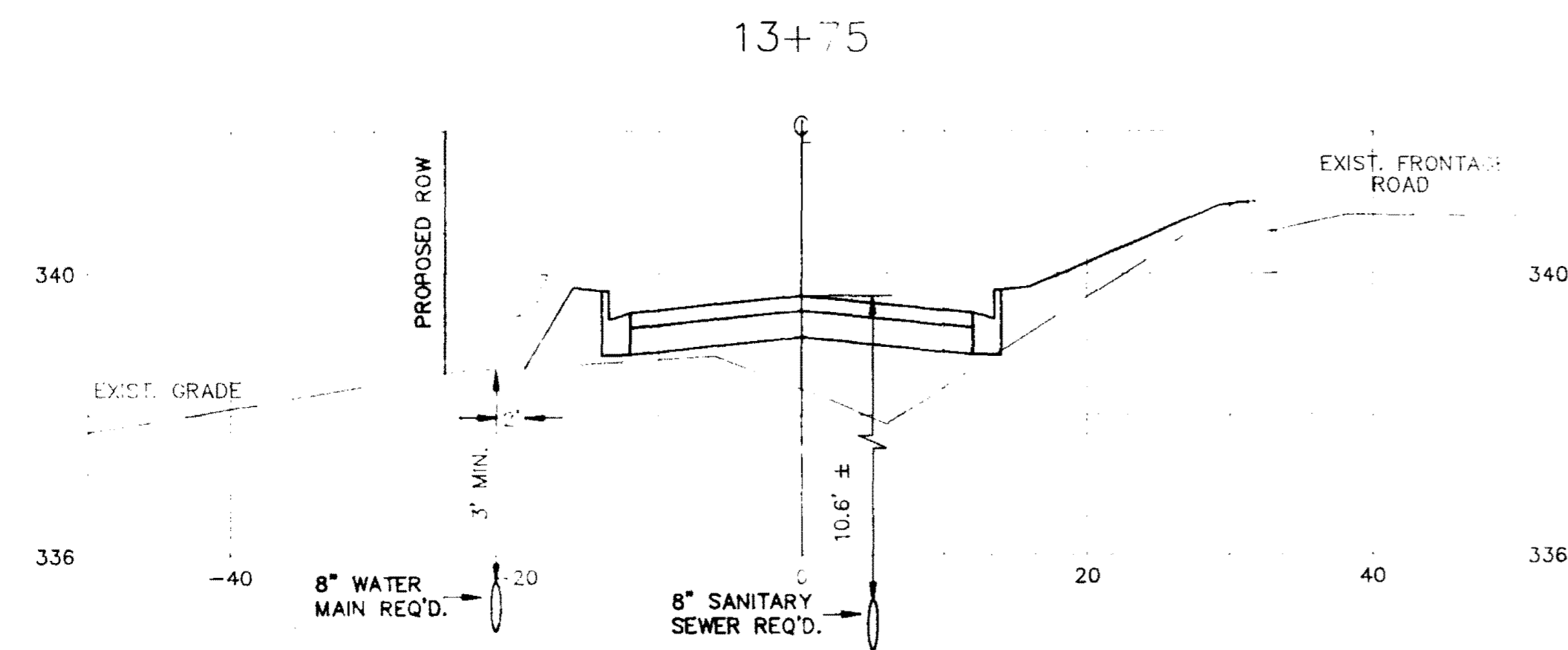
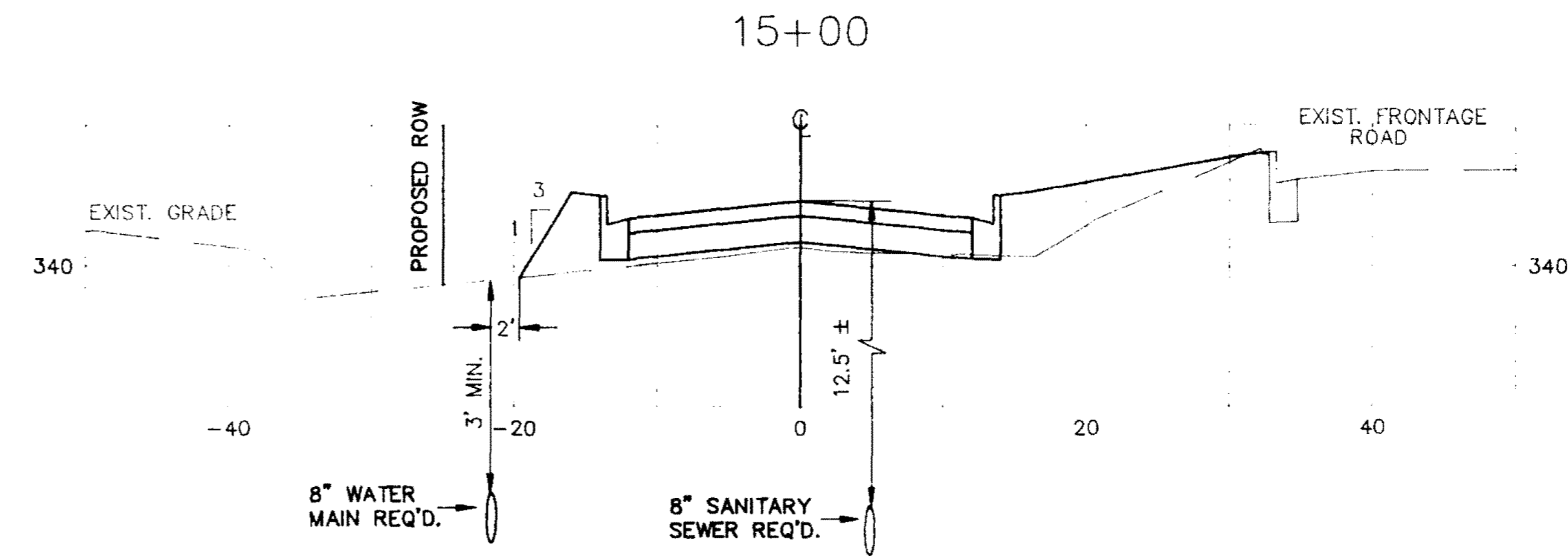
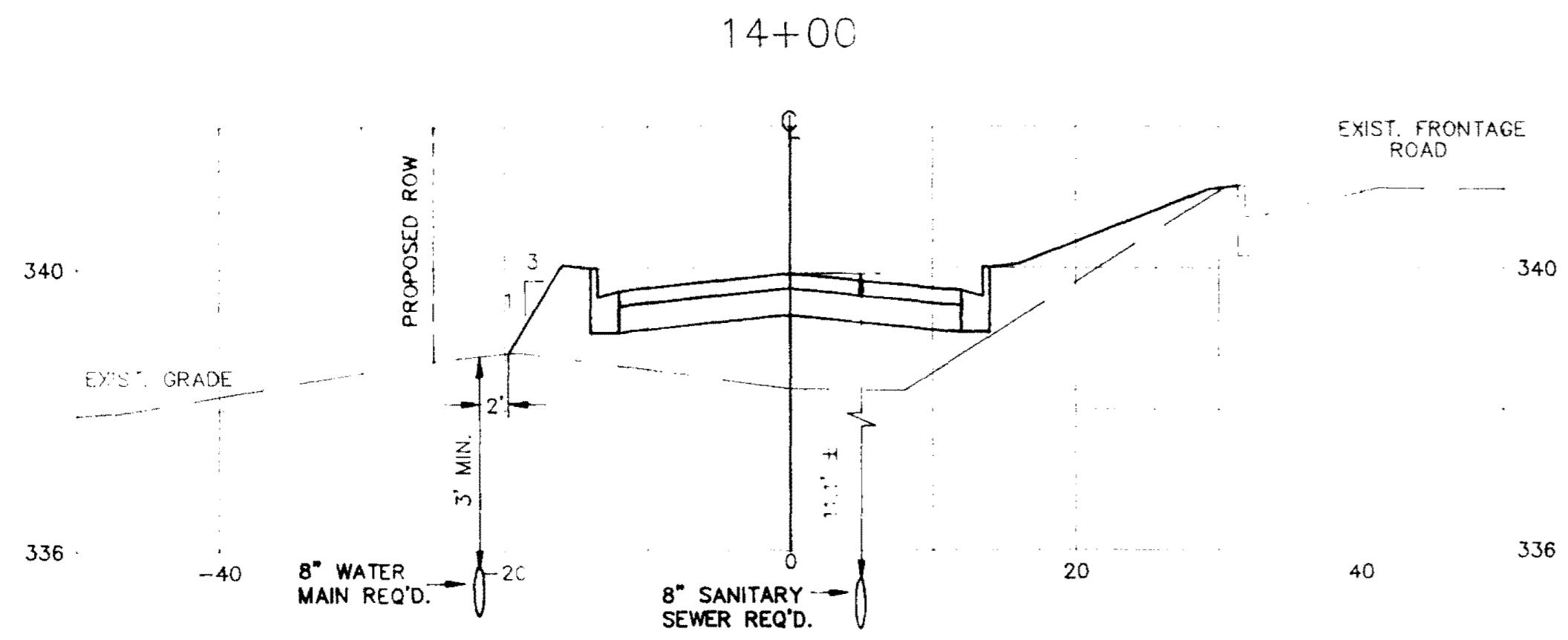
DRAWN BY: J.W.P.	DATE: MAY 1993	SHEET NUMBER
REVIEWED BY: B.W.	SCALE: 1" = 30'	4 OF 10





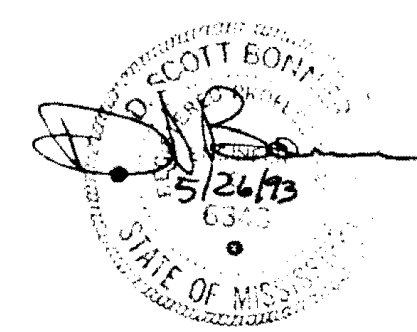
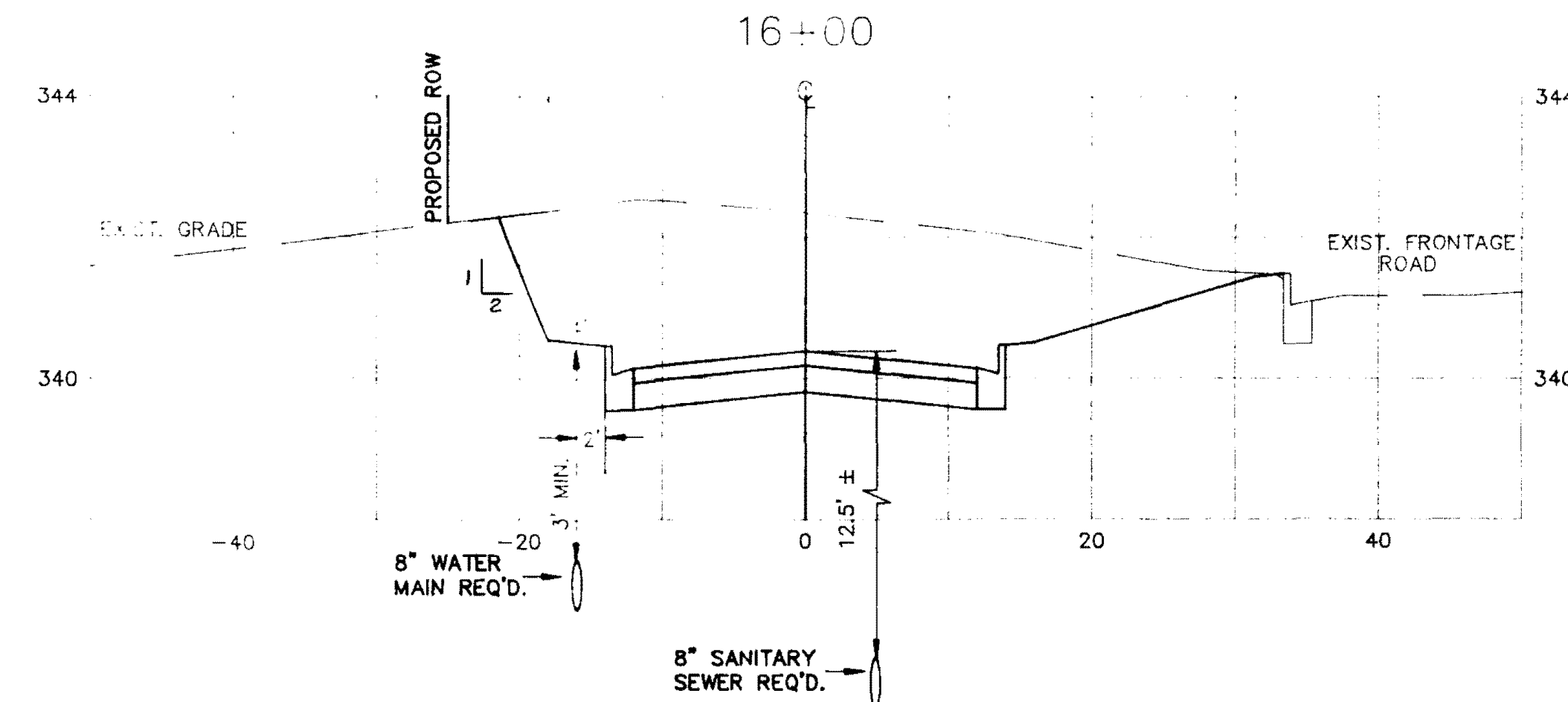
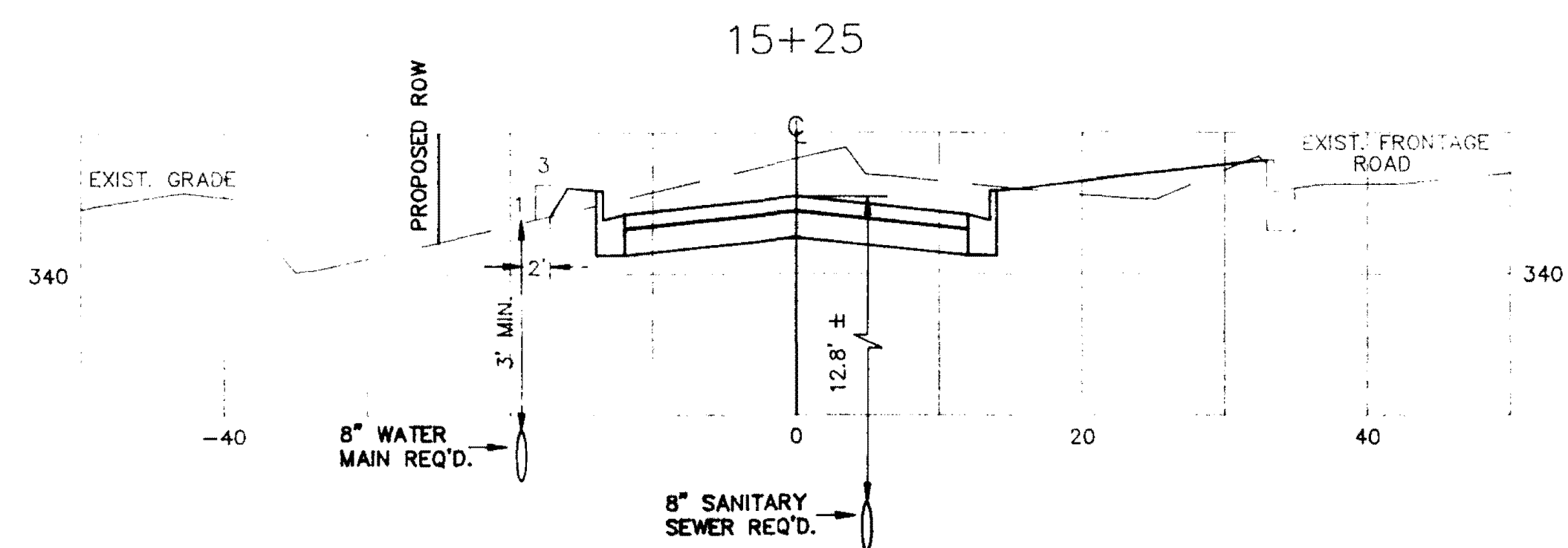
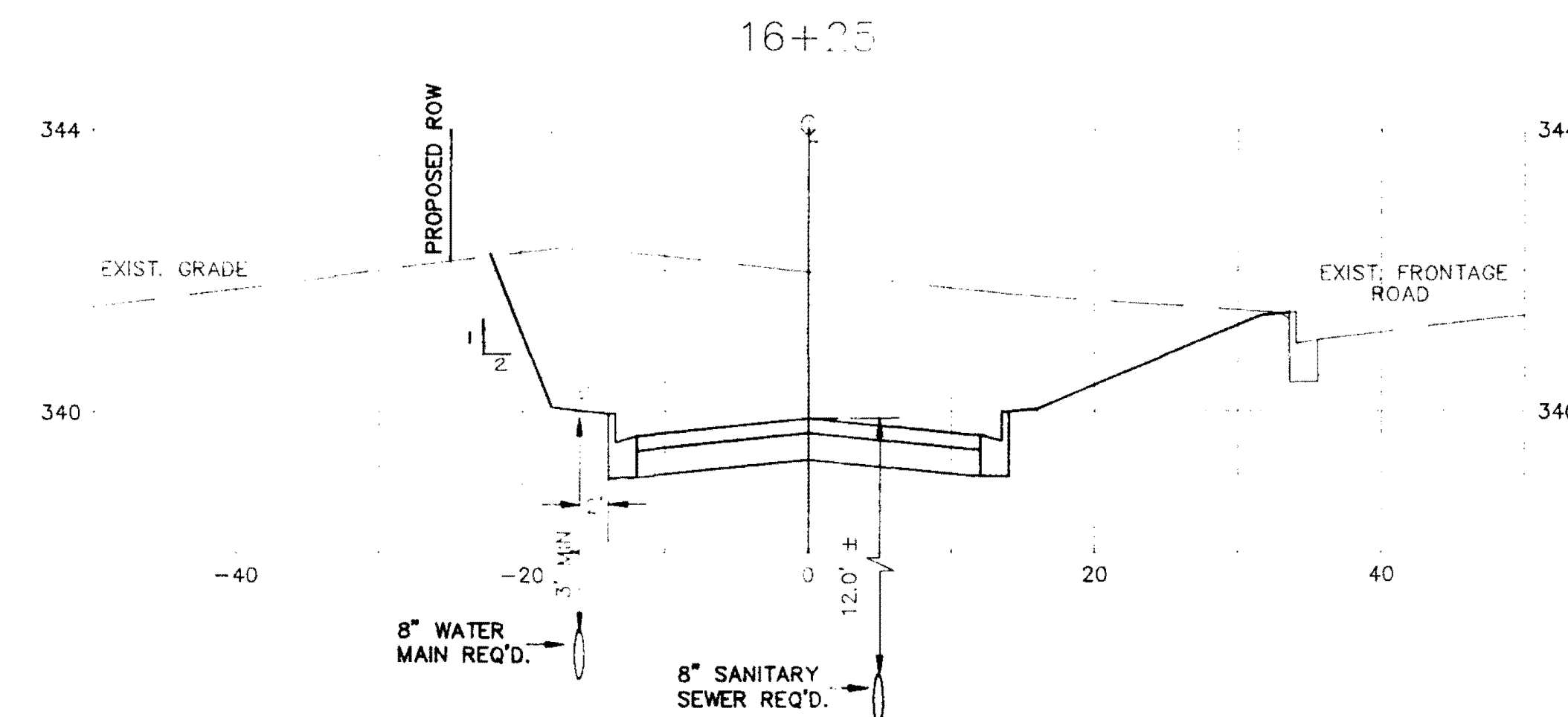
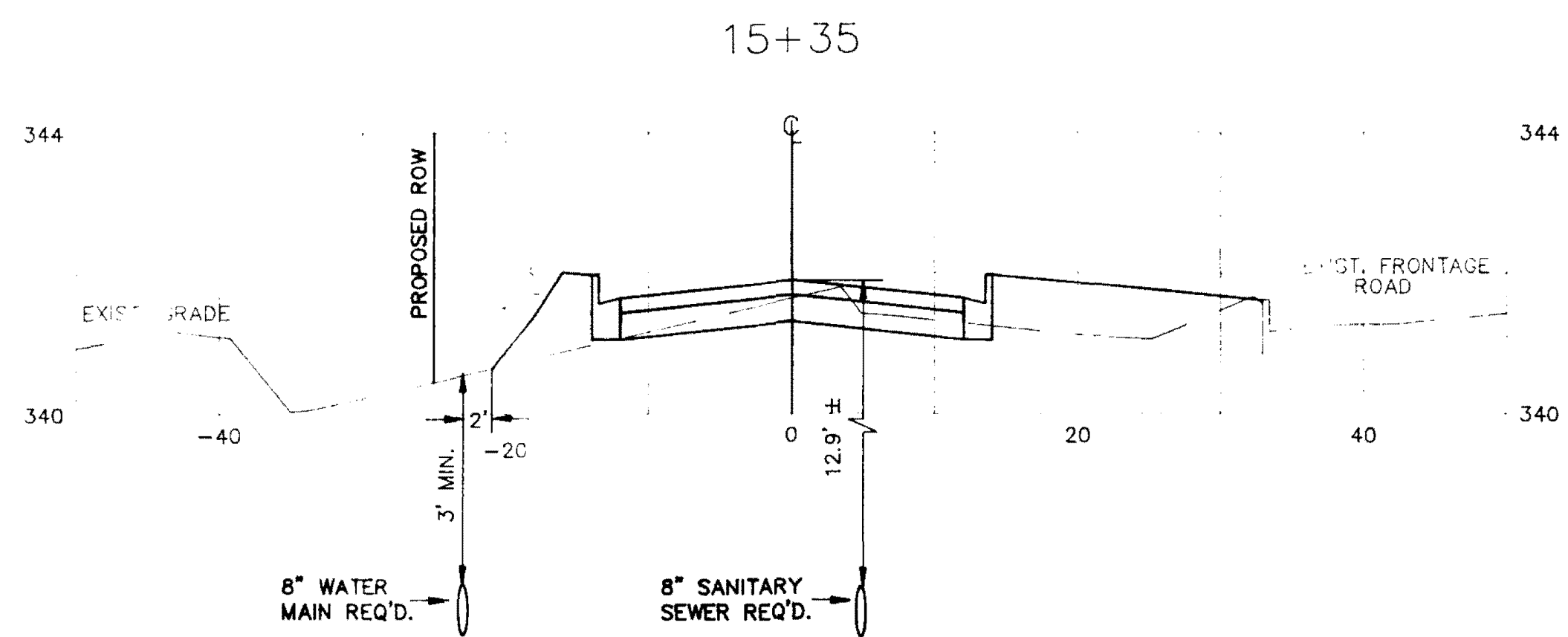
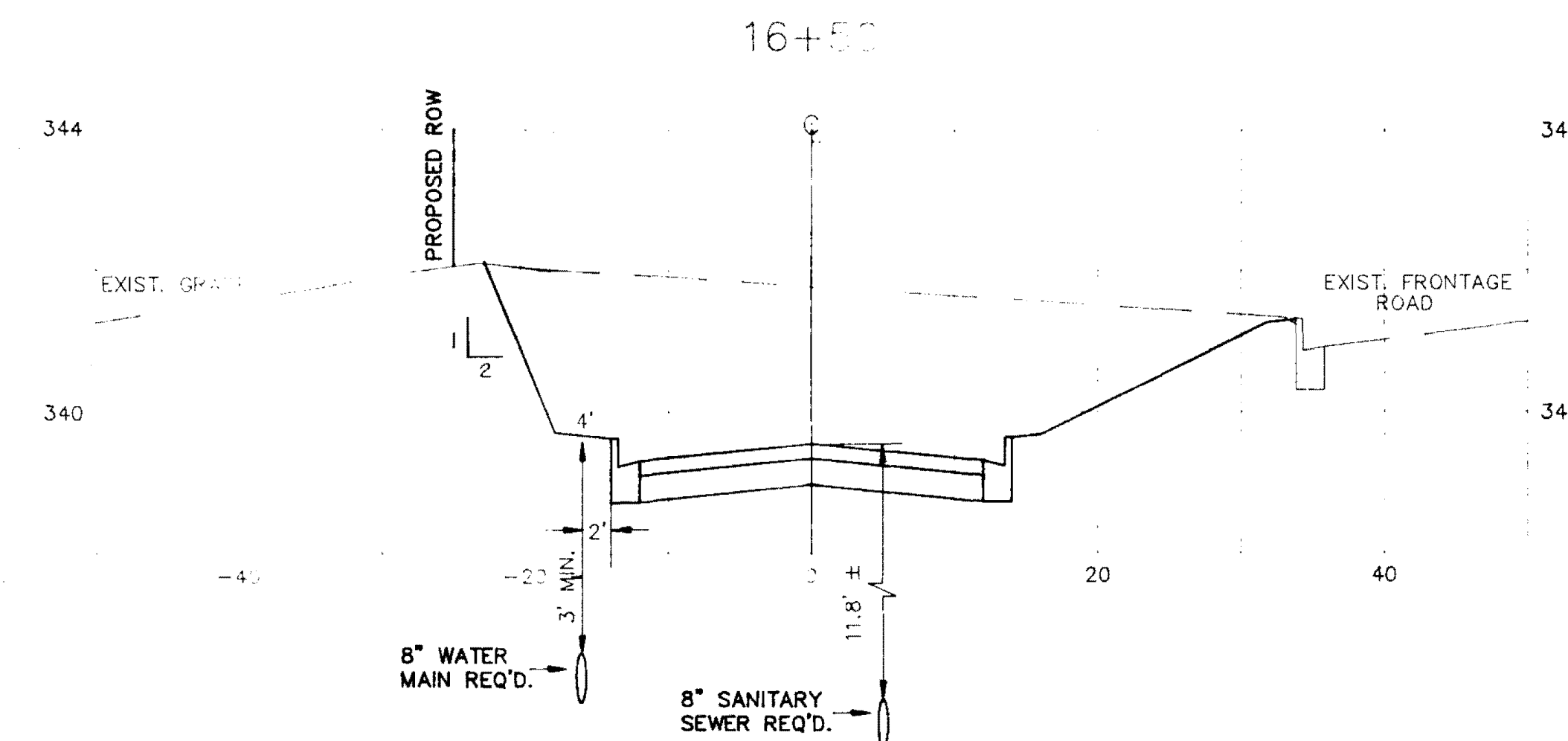
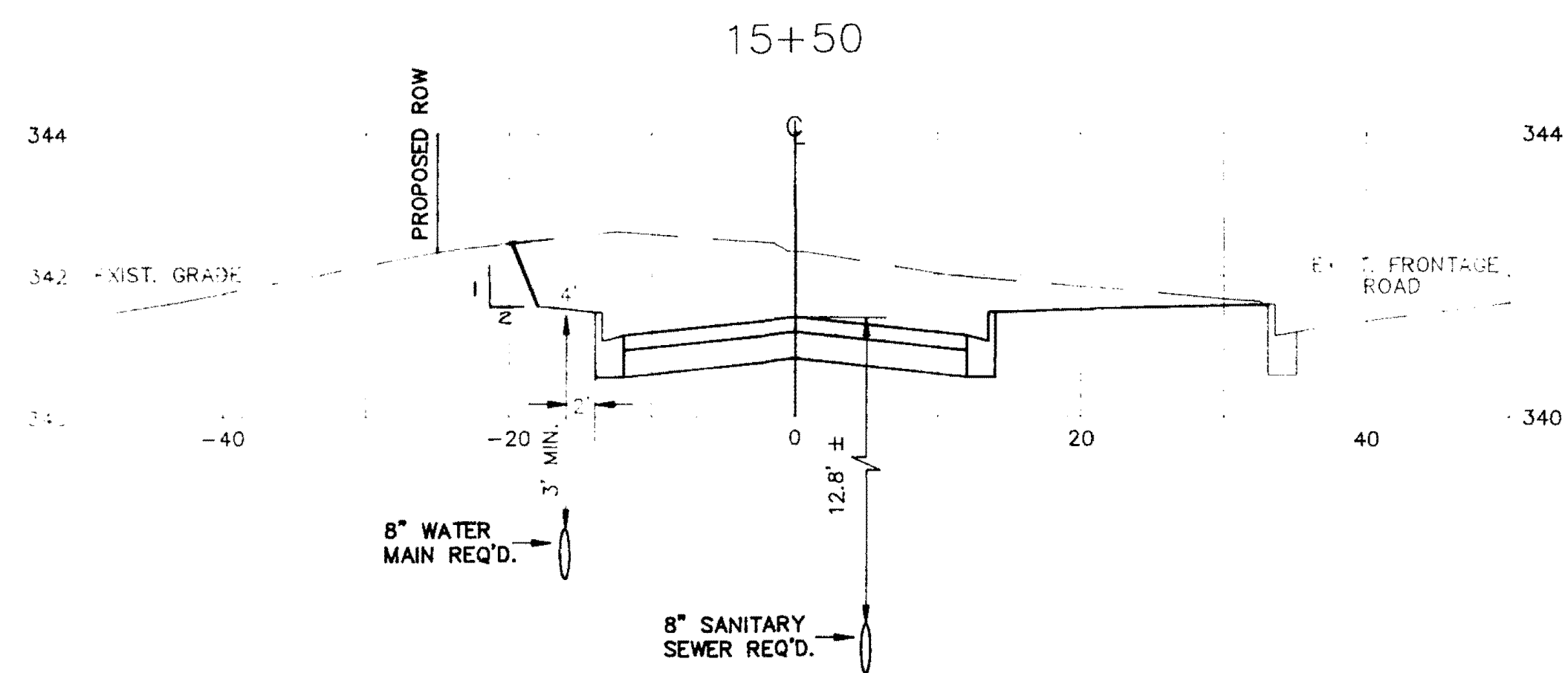
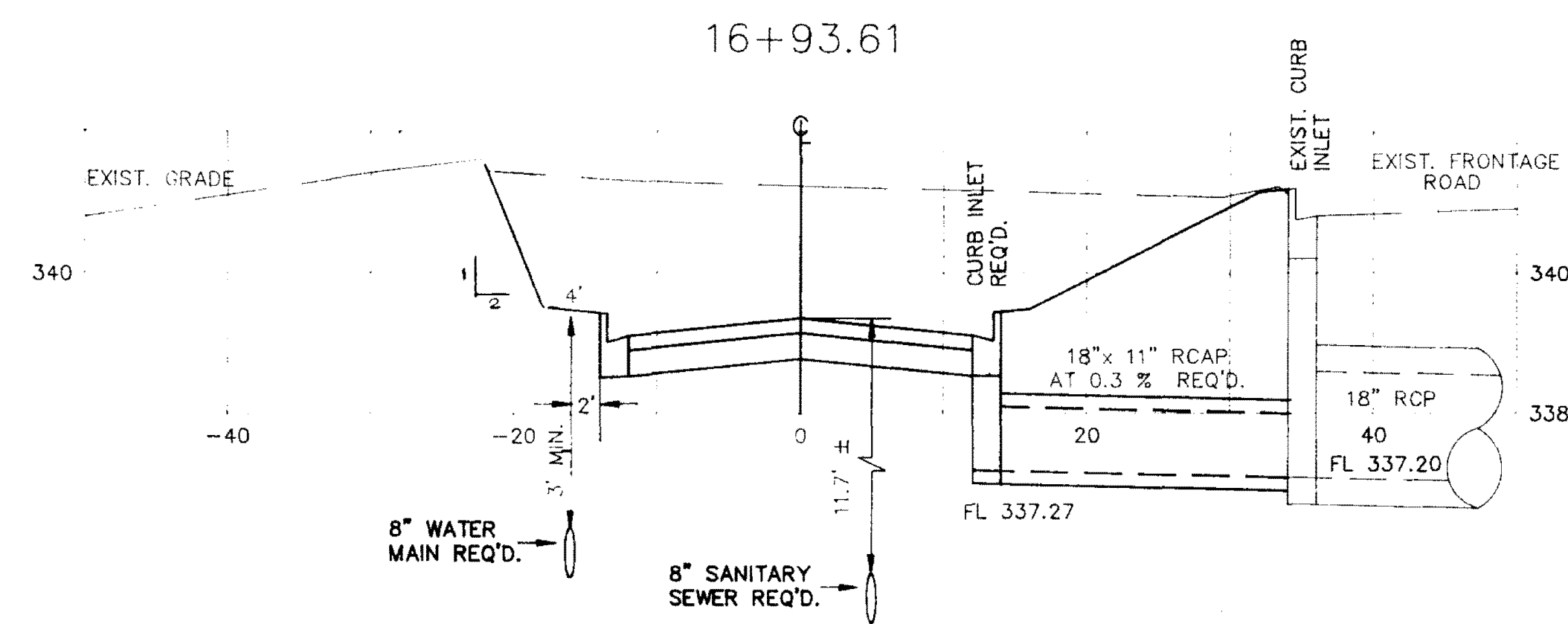
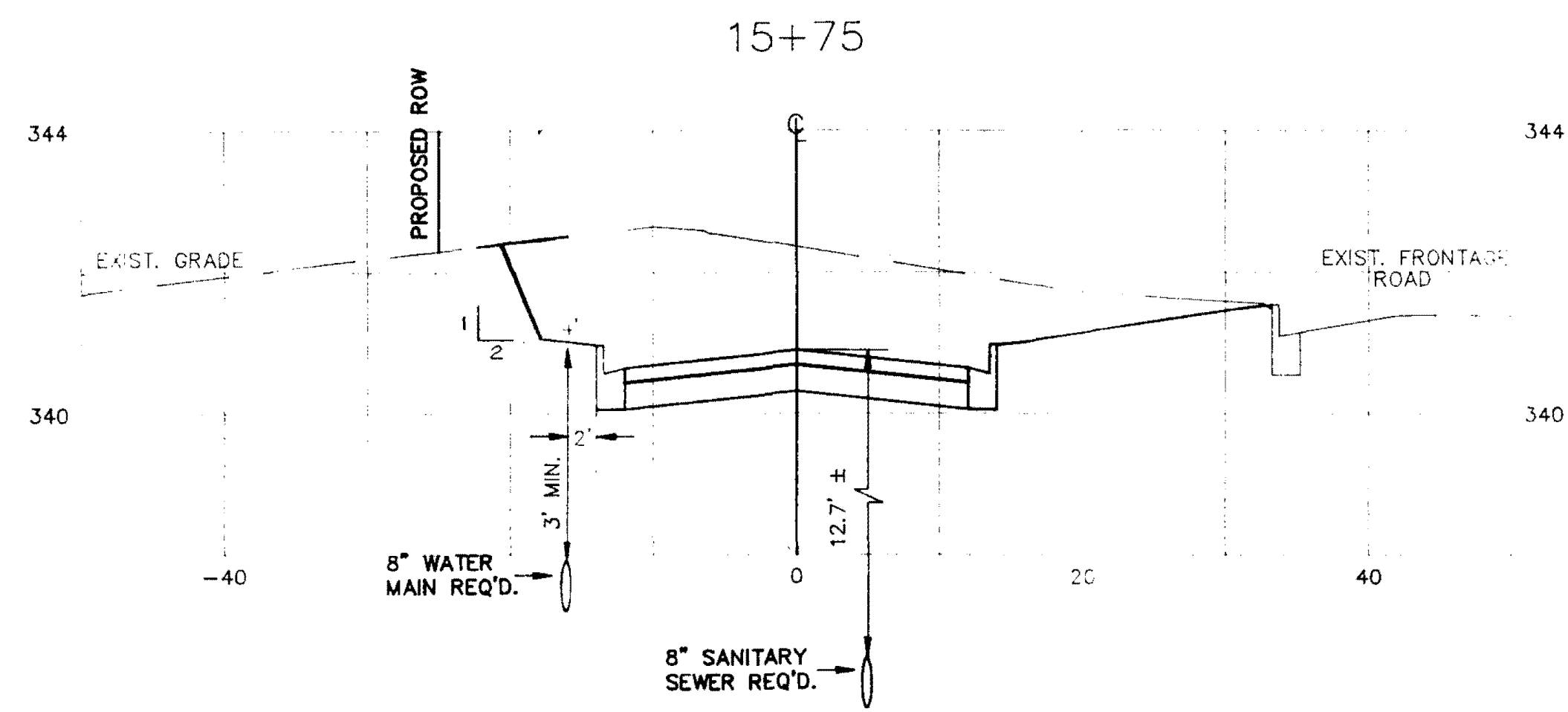
CROSS SECTIONS			
CITY OF RIDGELAND ADCOCK DRIVE EXTENSION			
WAGGONER ENGINEERING, INC. Consulting Engineers - Jackson, Mississippi			
DRAWN BY: J.W.P.	DATE: MAY 1993	SHEET NUMBER	
REVIEWED BY: B.W.	SCALE: 1" = 2' VERT.	5 OF 10	

83040\ALLCURB



CROSS SECTIONS			
CITY OF RIDGELAND ADCOCK DRIVE EXTENSION			
WAGGONER ENGINEERING, INC. Consulting Engineers - Jackson, Mississippi			
DRAWN BY: J.W.P.	DATE: MAY 1993	SHEET NUMBER	
REVIEWED BY: B.W.	SCALE: 1" = 10' HORIZ. 1" = 2' VERT.	6 OF 10	

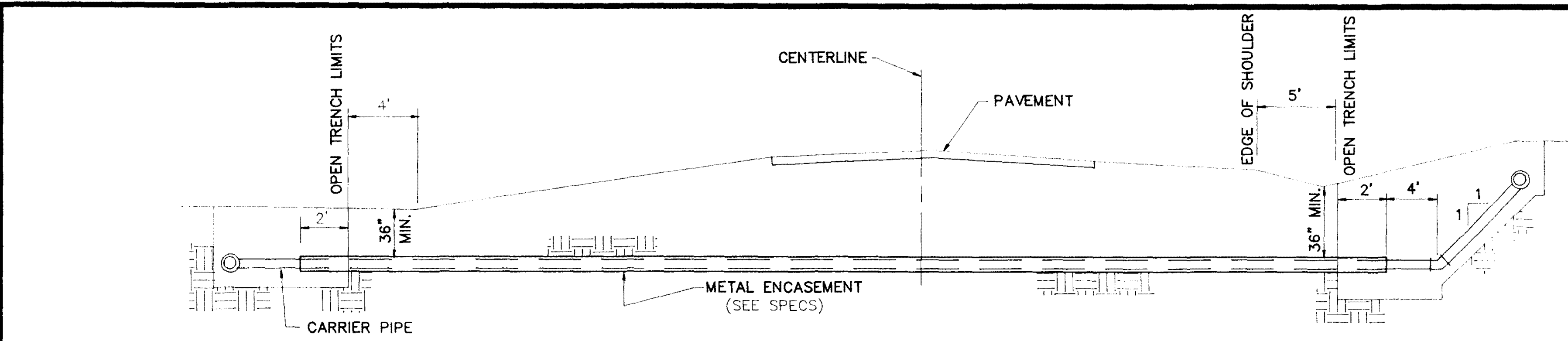
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CROSS SECTIONS			
CITY OF RIDGELAND ADCOCK DRIVE EXTENSION			
WAGGONER ENGINEERING, INC. Consulting Engineers - Jackson, Mississippi			
DRAWN BY: J.W.P.	DATE: MAY 1993	SHEET NUMBER	
REVIEWED BY: B.W.	SCALE: 1" = 10' HORIZ. 1" = 2' VERT.	7 OF 10	

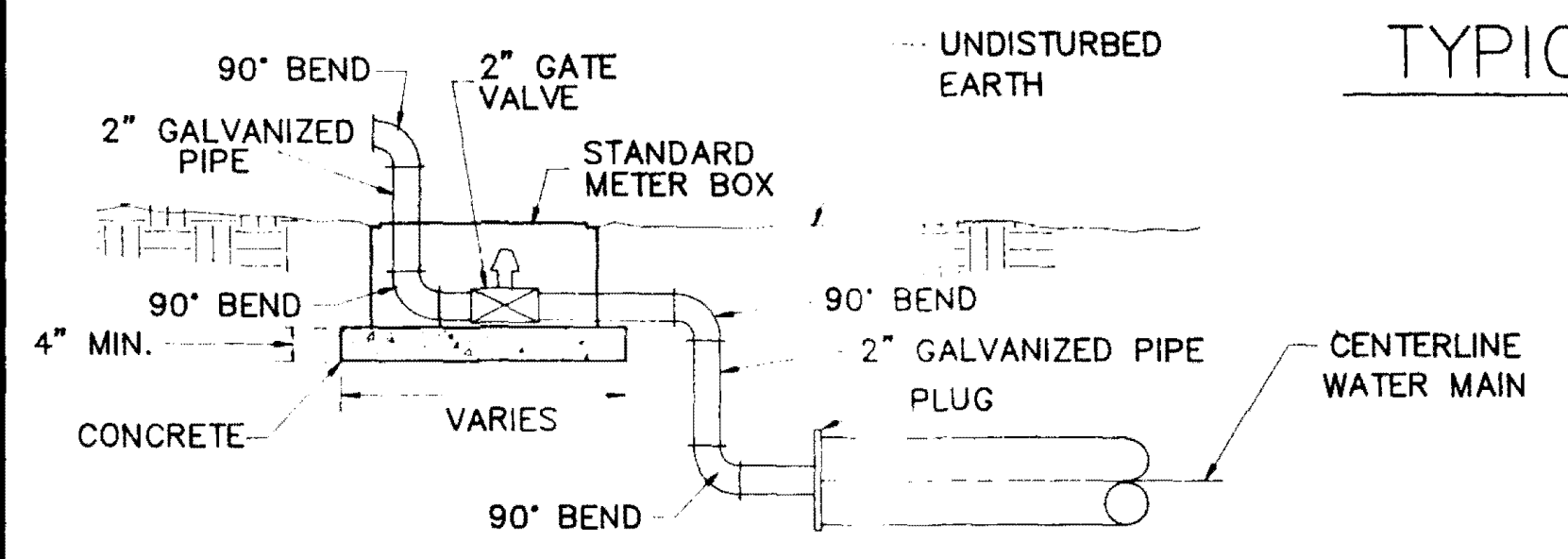
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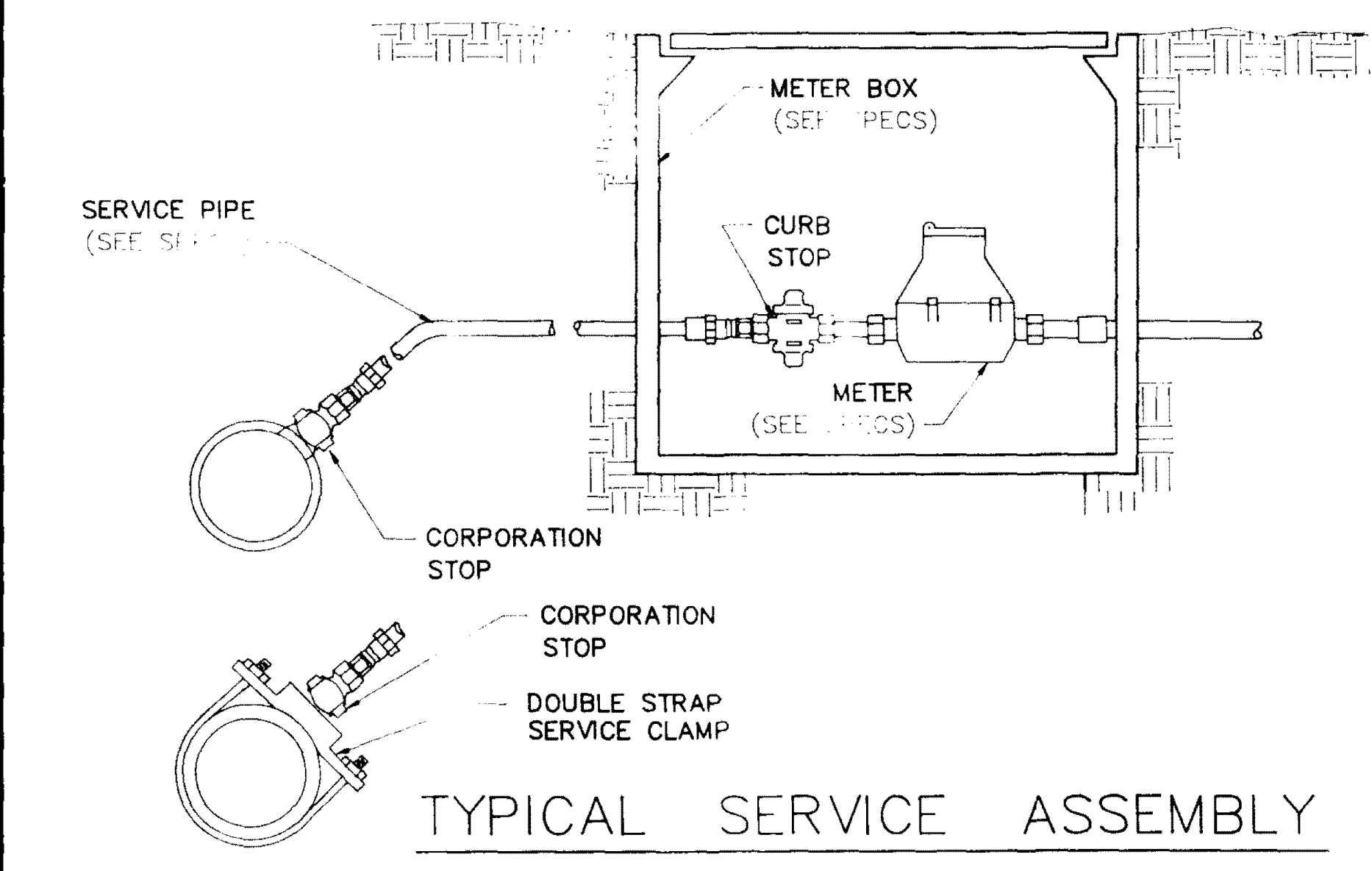


TYPICAL CASED CROSSING

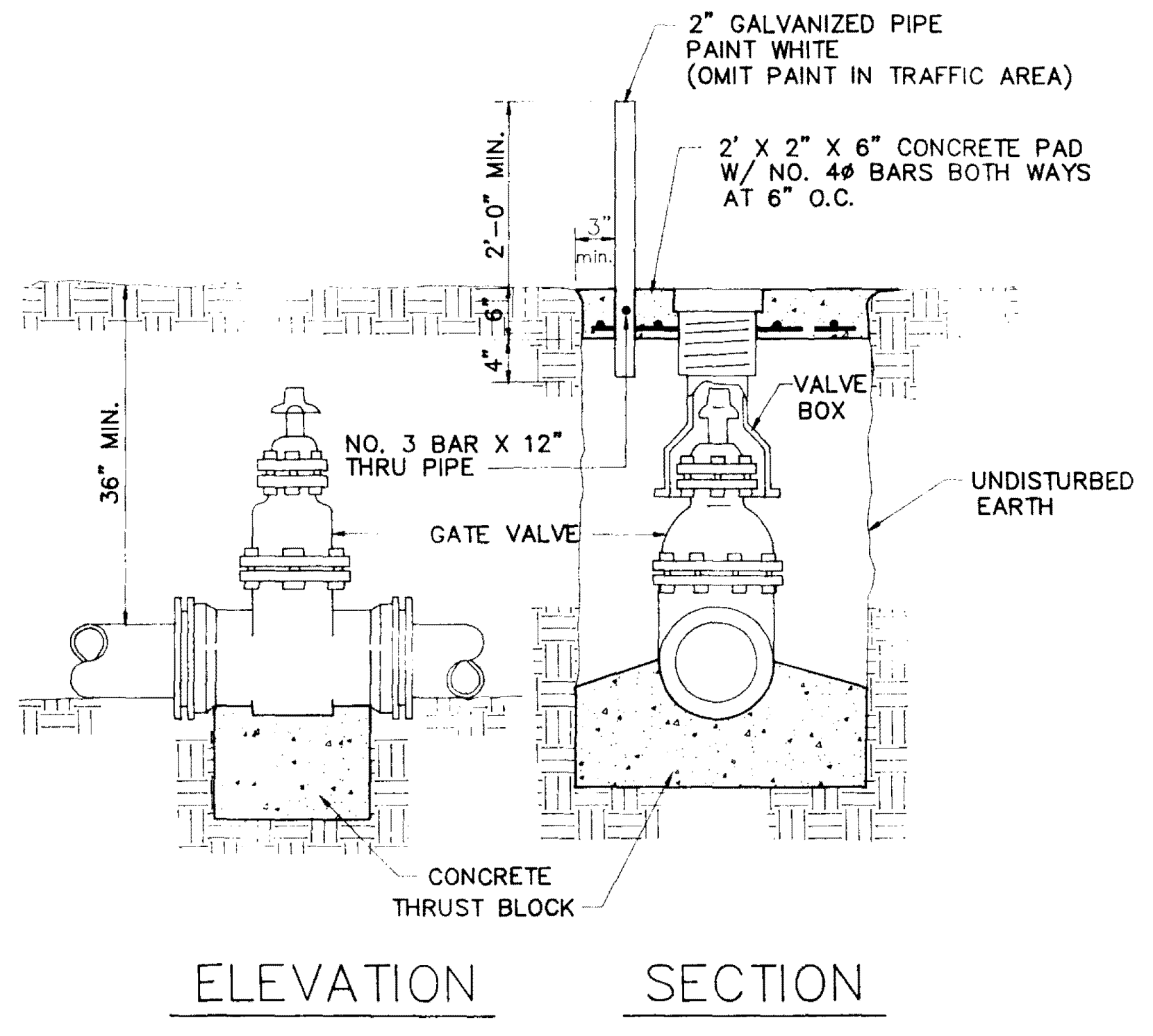
NOTE: COMPENSATION FOR CONCRETE THRUST BLOCKS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.



TYPICAL 2" BLOW-OFF DETAIL

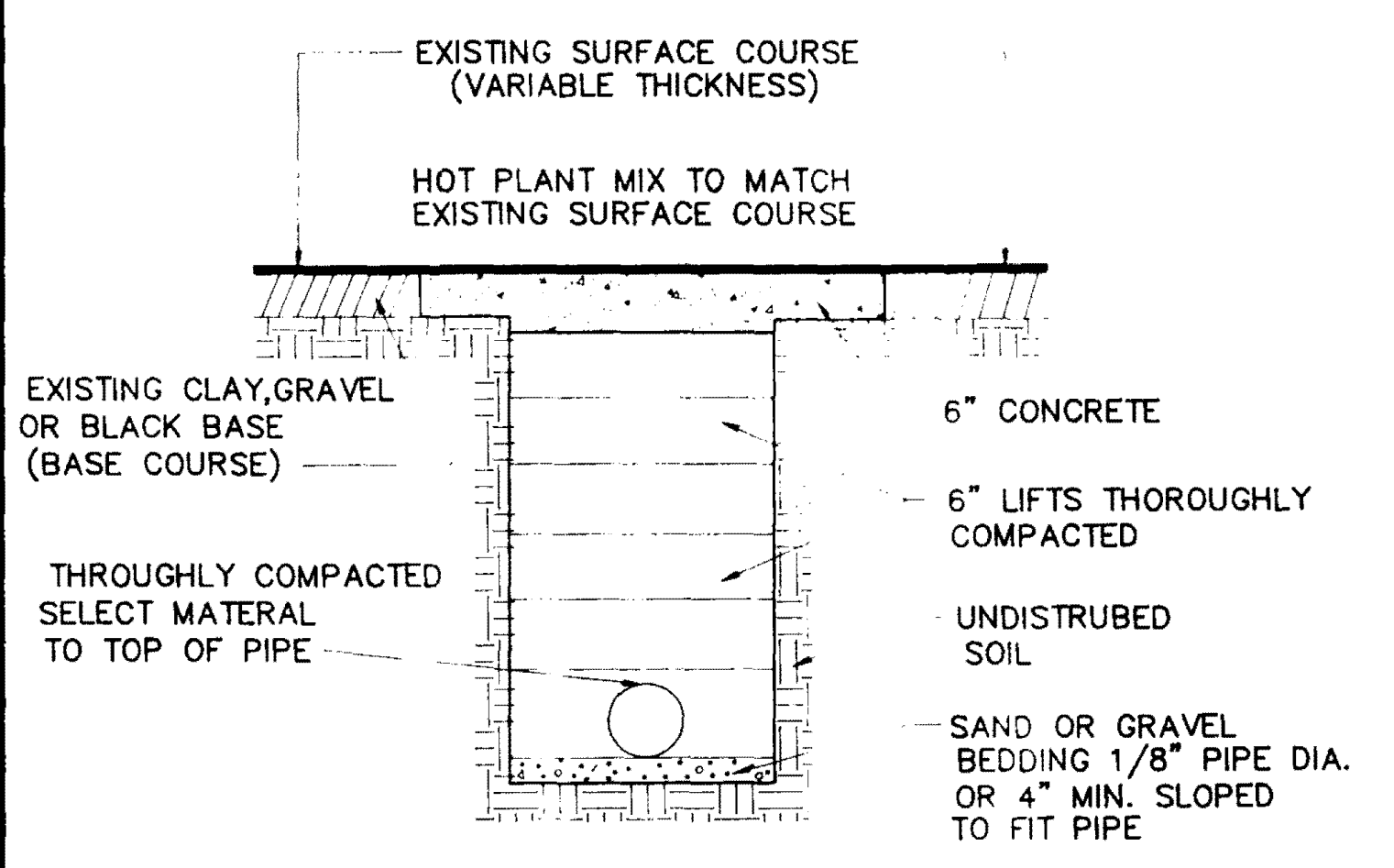


TYPICAL SERVICE ASSEMBLY

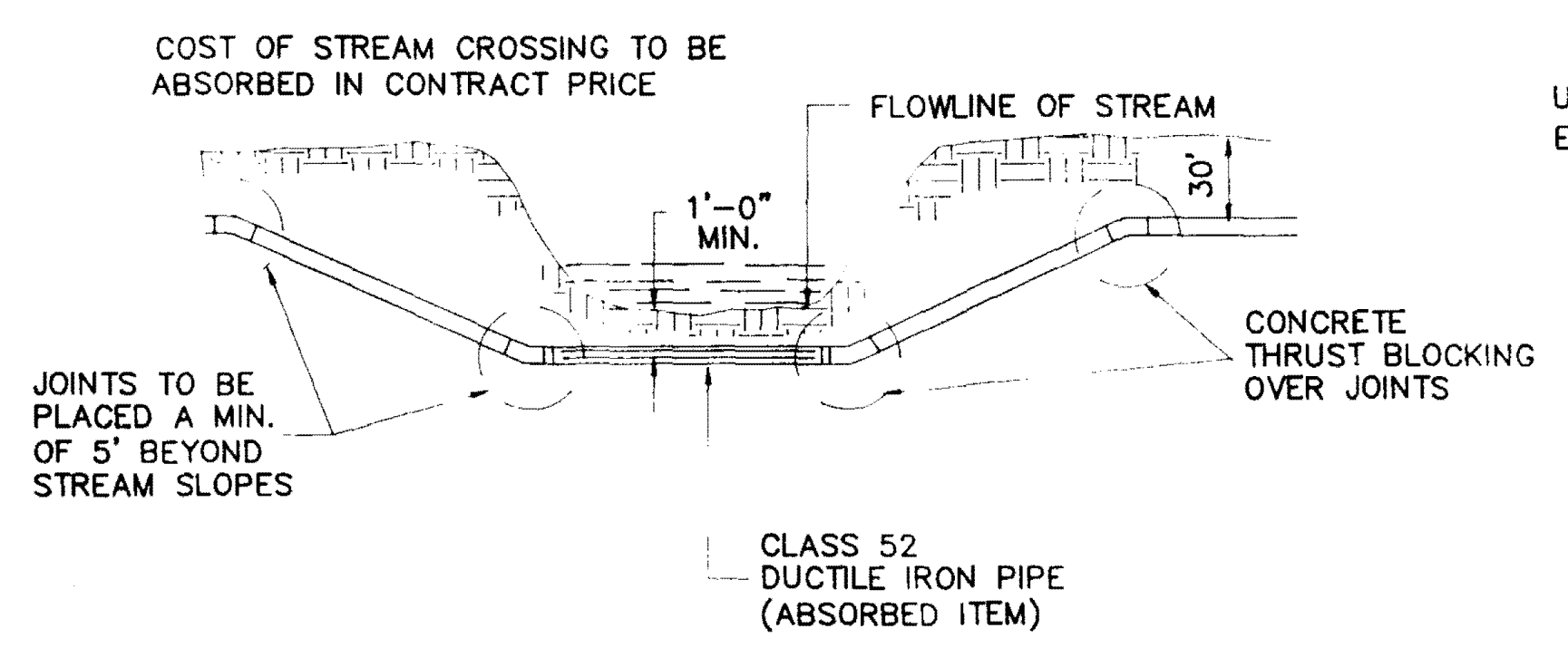


ELEVATION SECTION

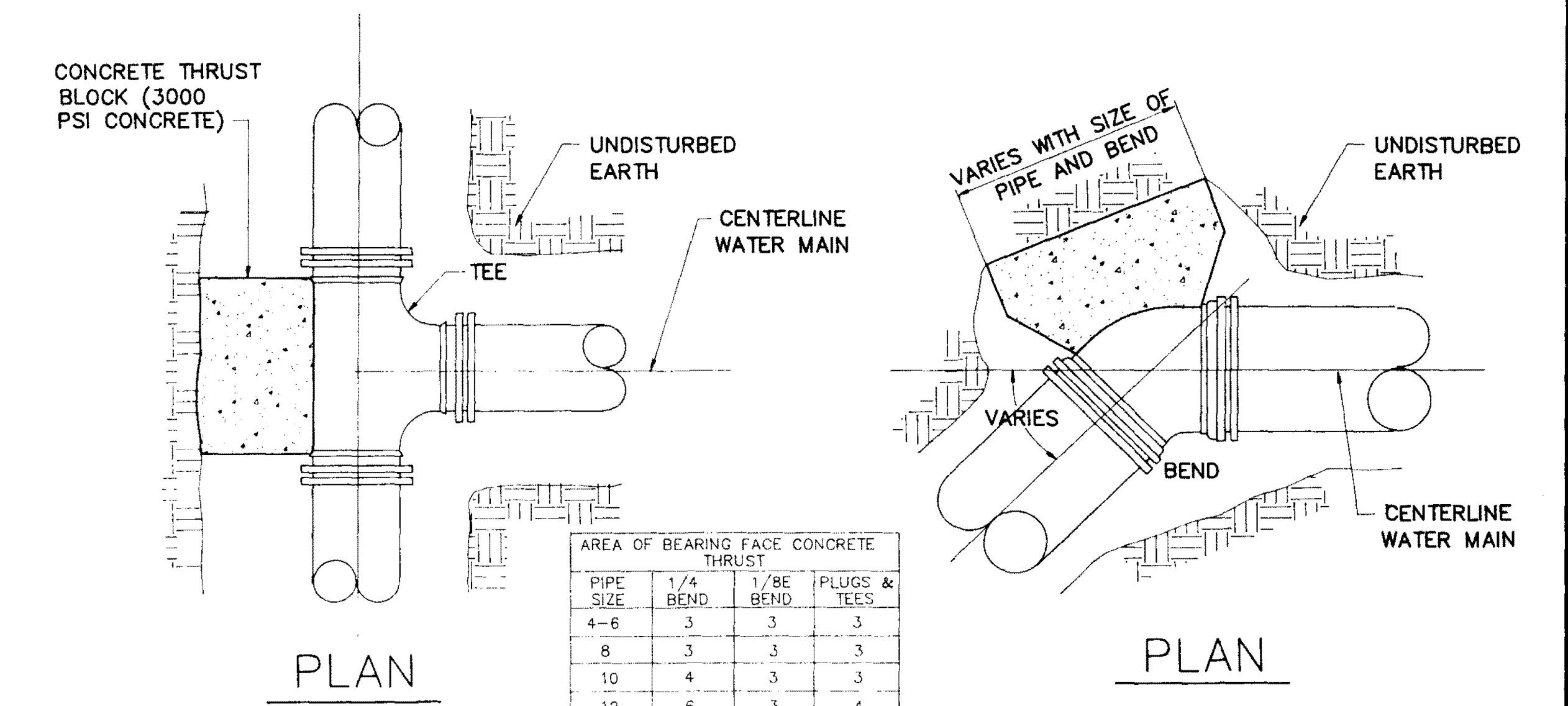
TYPICAL VALVE & BOX



STREET REPAIR OF OPEN CUT



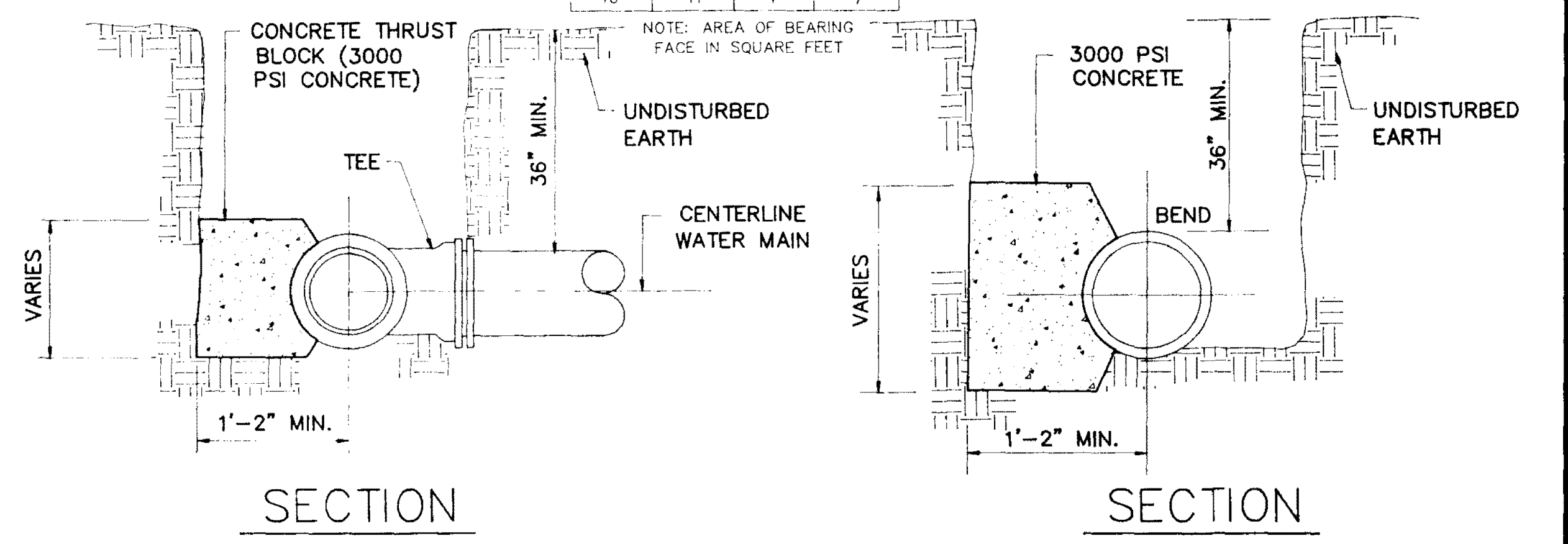
TYPICAL STREAM CROSSING



PLAN

PLAN

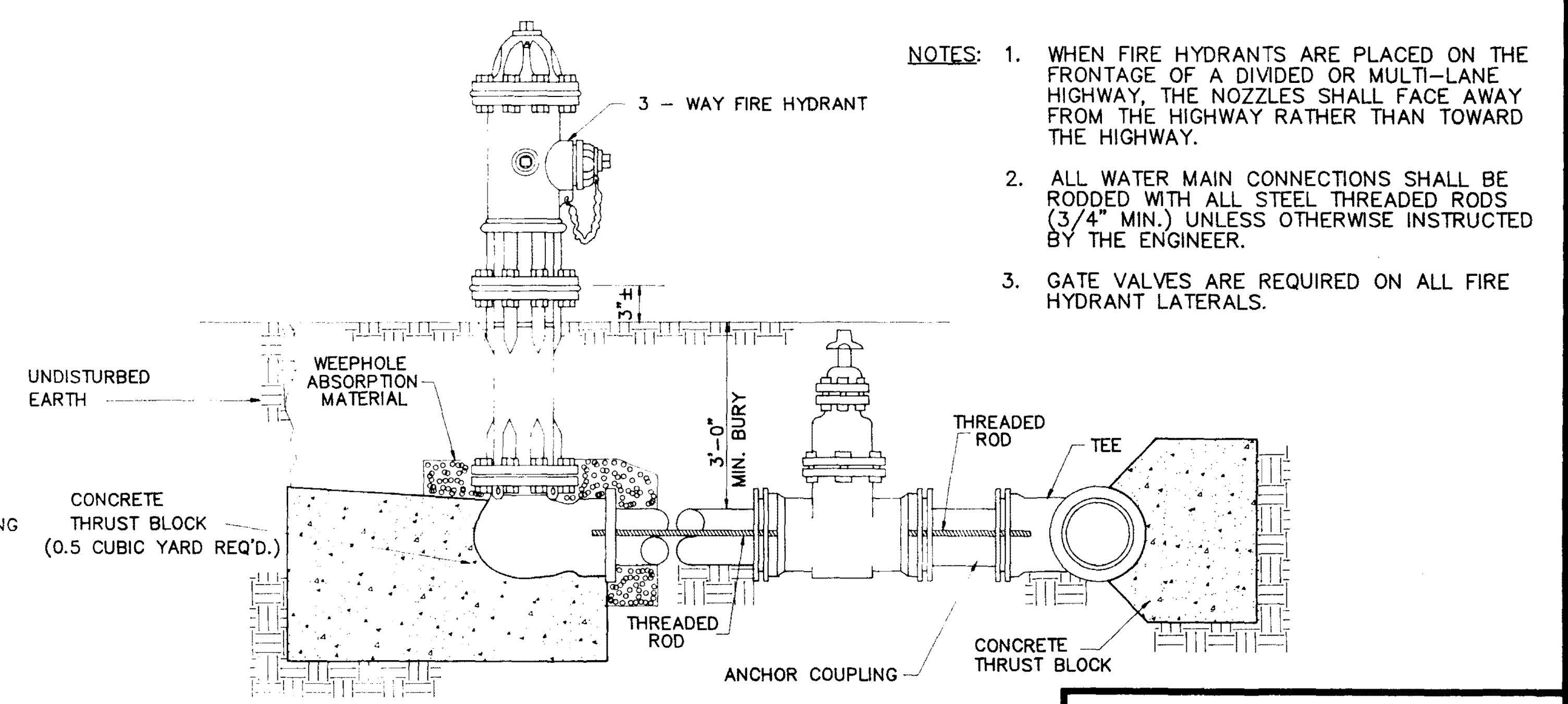
PIPE SIZE	1/4 BEND	1/2 BEND	PLUGS & TEES
4-6	3	3	3
8	3	3	3
10	4	3	3
12	6	3	4
16	11	4	7



SECTION

SECTION

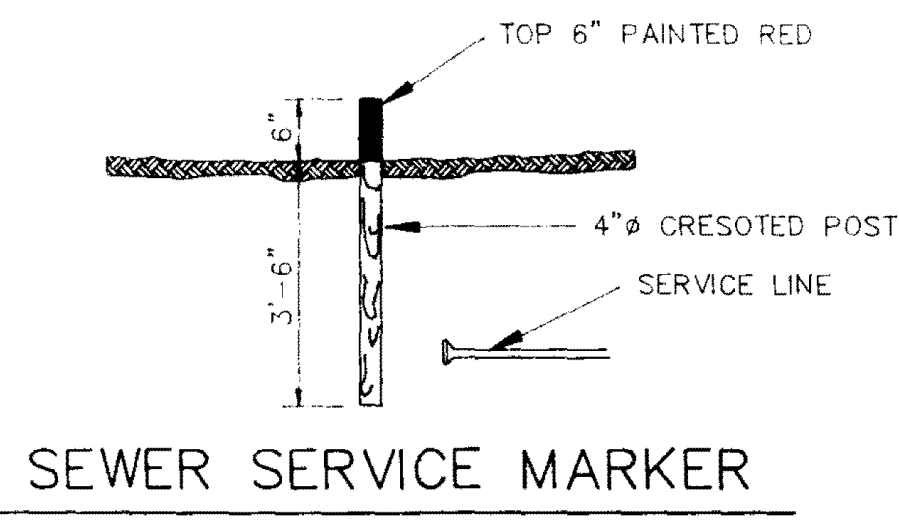
BLOCKING DETAILS FOR TEES & BENDS



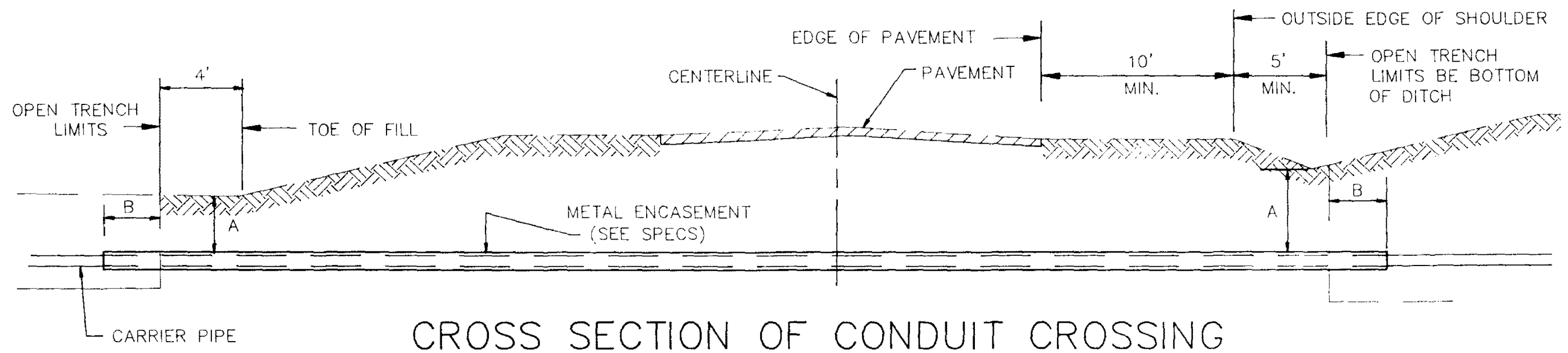
TYPICAL FIRE HYDRANT

- NOTES:
1. WHEN FIRE HYDRANTS ARE PLACED ON THE FRONTAGE OF A DIVIDED OR MULTI-LANE HIGHWAY, THE NOZZLES SHALL FACE AWAY FROM THE HIGHWAY RATHER THAN TOWARD THE HIGHWAY.
  2. ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL THREADED RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
  3. GATE VALVES ARE REQUIRED ON ALL FIRE HYDRANT LATERALS.

WATER STANDARDS			
CITY OF RIDGELAND ADCOCK DRIVE EXTENSION			
WAGGONER ENGINEERING, INC. Consulting Engineers - Jackson, Brandon, Pascagoula, Mississippi			
DRAWN BY: J.W.P.	DATE: MAY 1993	SHEET NUMBER	
REVIEWED BY: B.W.	SCALE: NTS	8 OF 10	



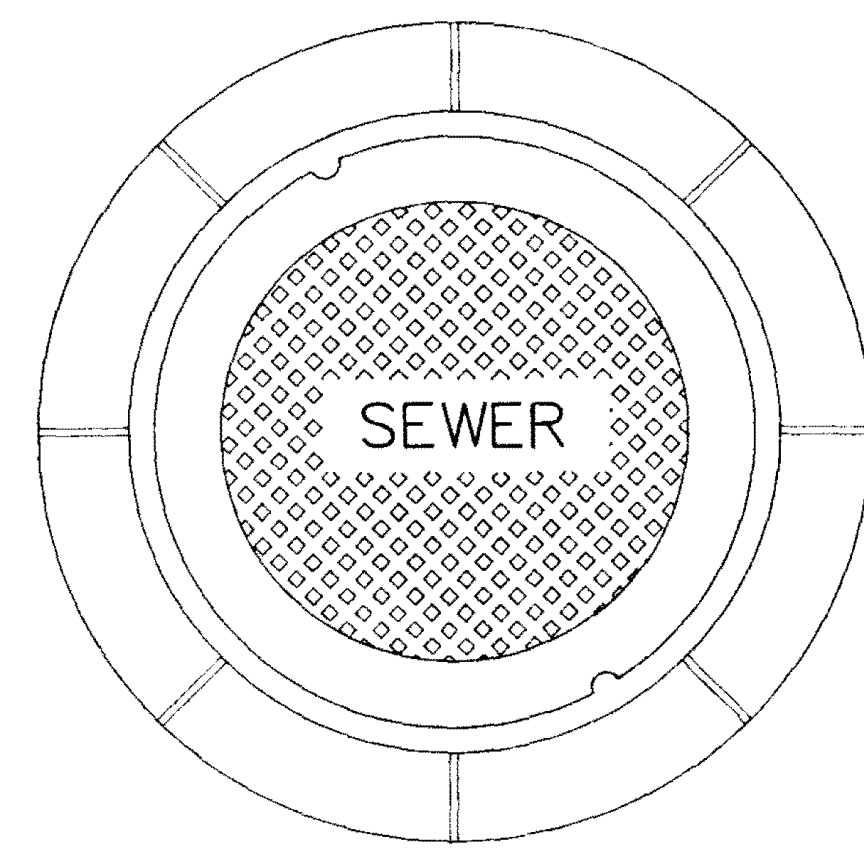
SEWER SERVICE MARKER



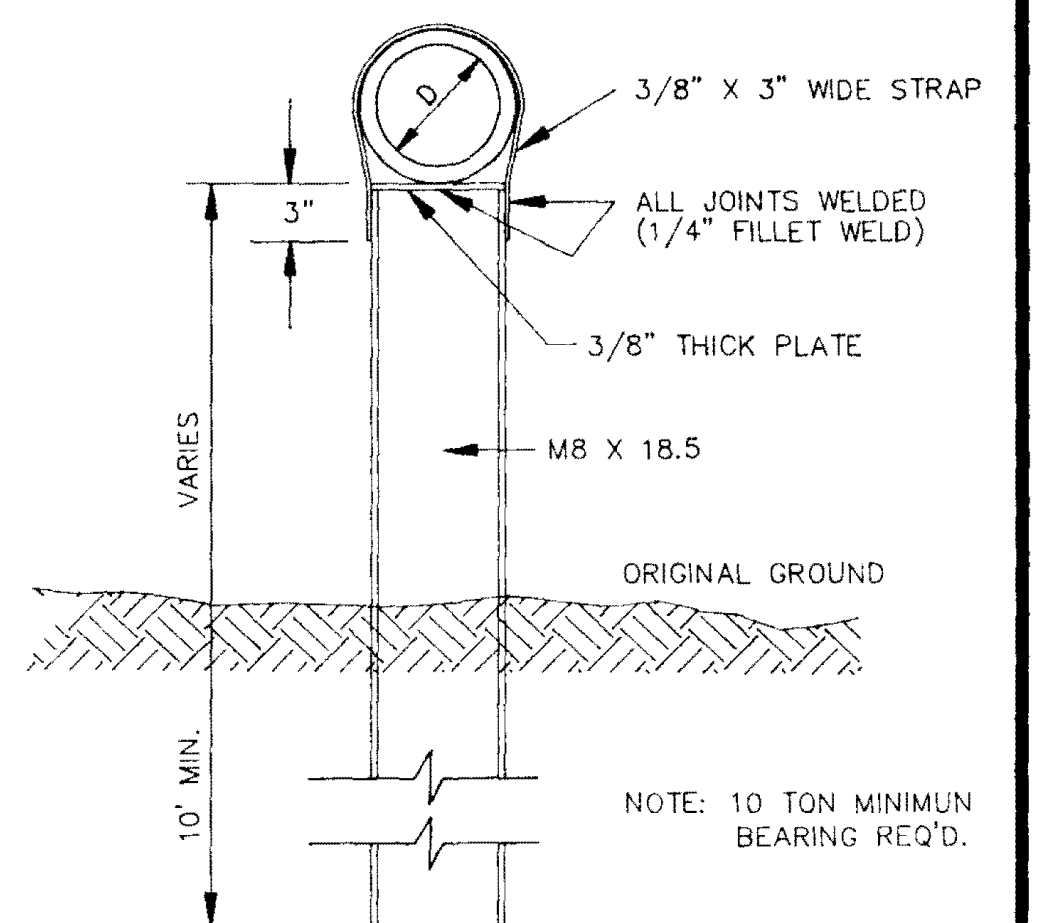
CROSS SECTION OF CONDUIT CROSSING

NOTES:

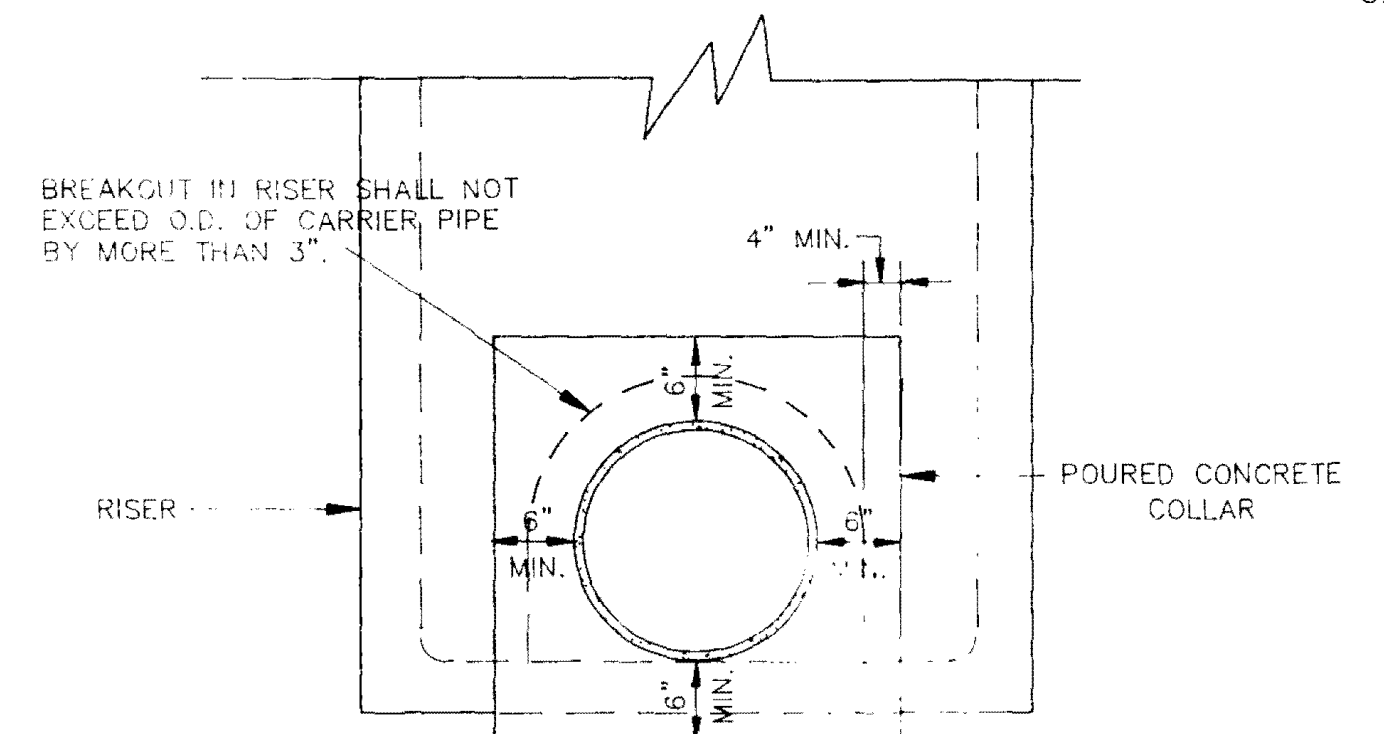
DIMENSION "A" TO BE MIN. FOR ALL CASINGS.  
 DIMENSIONS "B" TO BE 2" MIN. FOR LINES 3" DIA. AND UNDER, AND 4" MIN. FOR LINES OVER 3". ENCASUREMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING THROUGH, OR BY DRY BORING A HOLE THAT WILL RECEIVE THE CASING WITH A SNUG FIT.



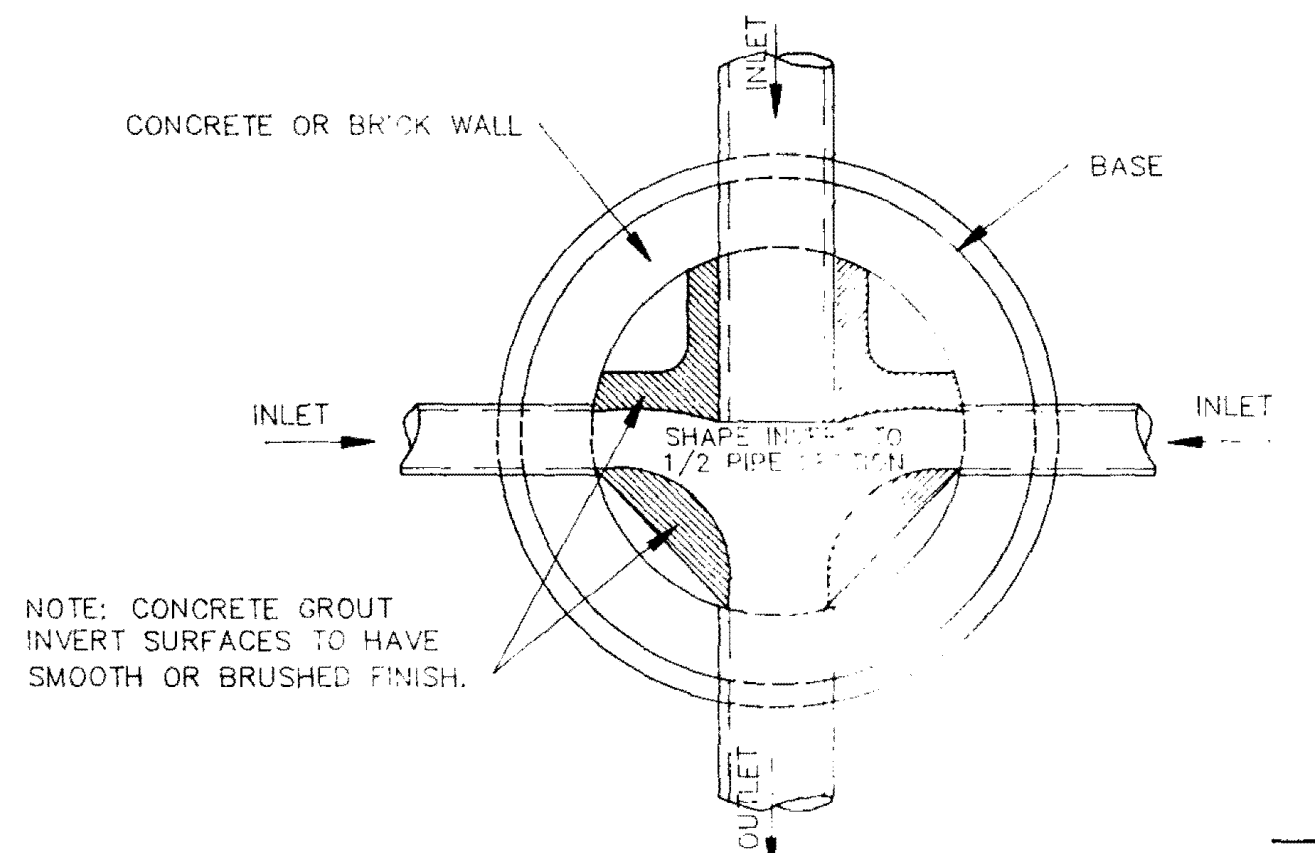
PLAN MANHOLE CASTING



DETAIL TYPE "A" PIER



ELEVATION CONCRETE COLLAR AT MANHOLE CONNECTION

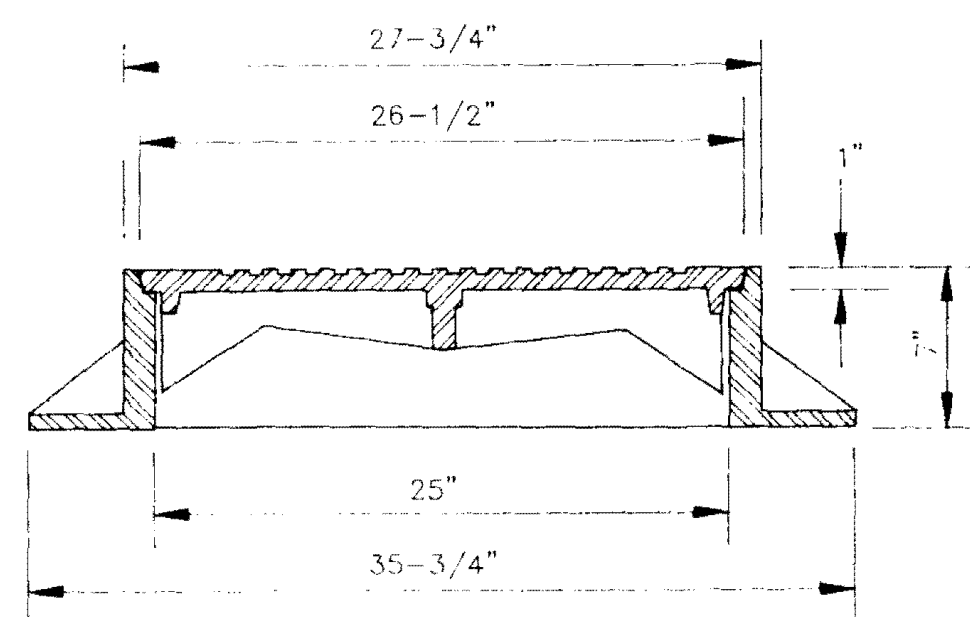


PLAN OF MANHOLE FLOW CHANNELS

NOTE: CONCRETE GROUT INVERT SURFACES TO HAVE SMOOTH OR BRUSHED FINISH.

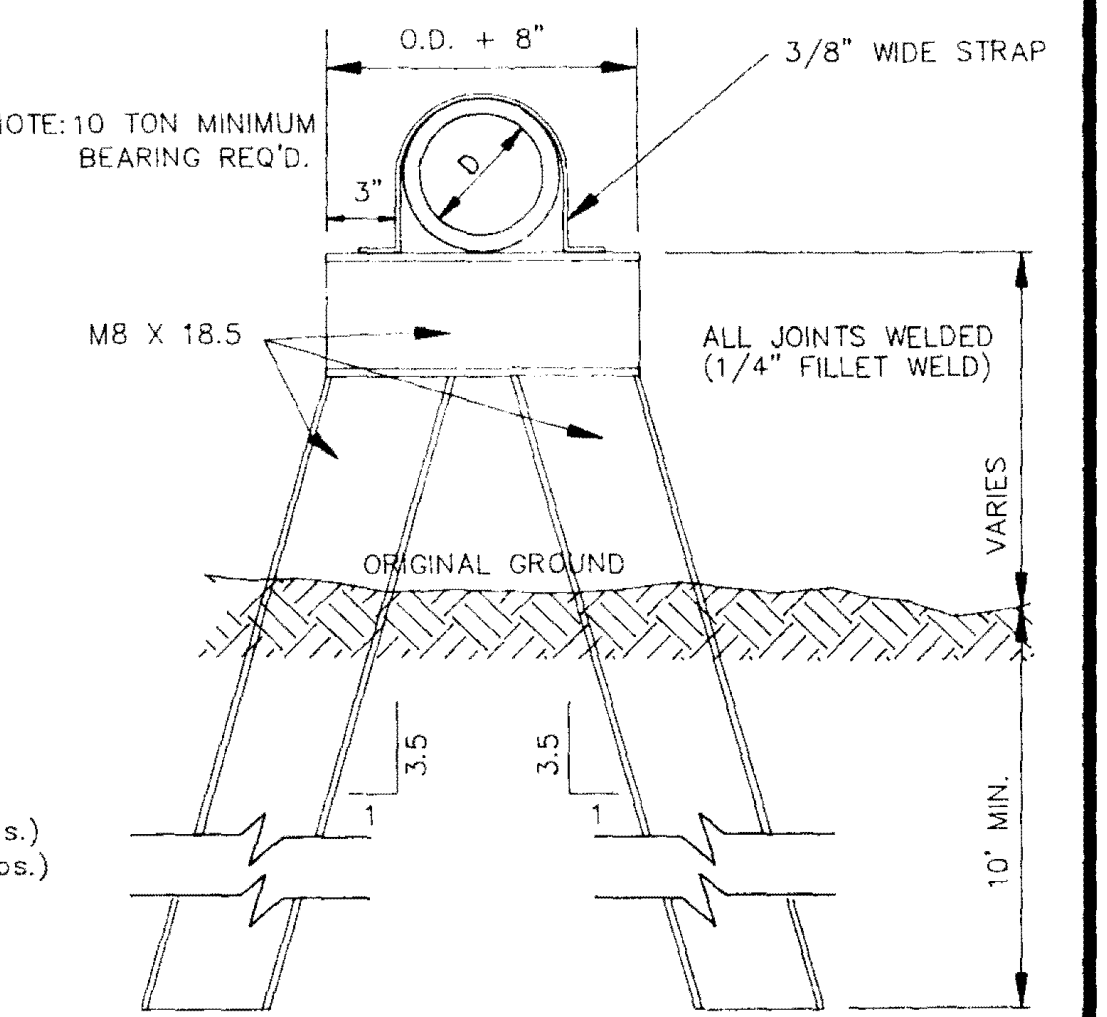


BELL & SPIGOT TONGUE & GROOVE JOINT DETAILS

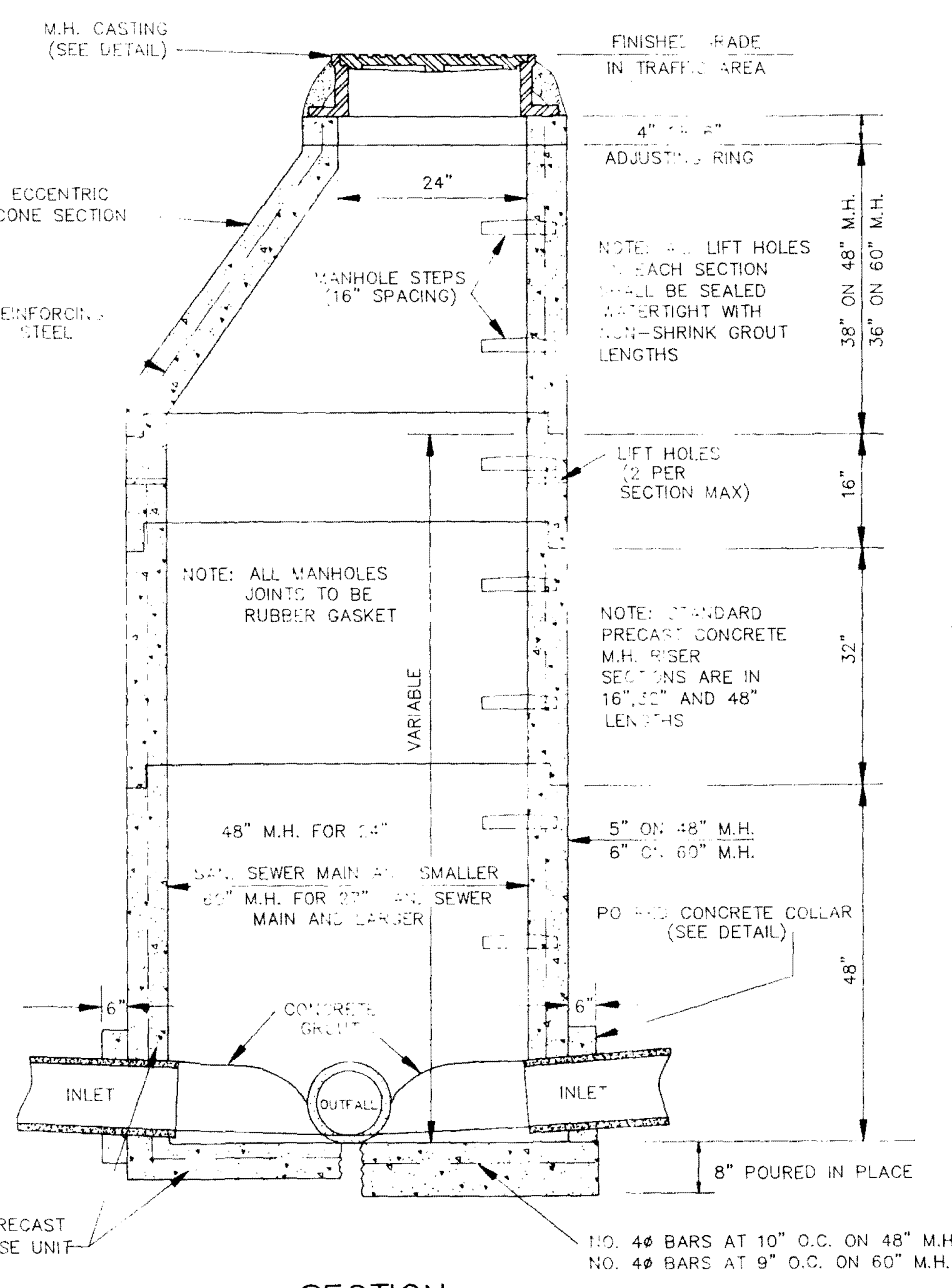


SECTION TYPE "A" MANHOLE CASTING

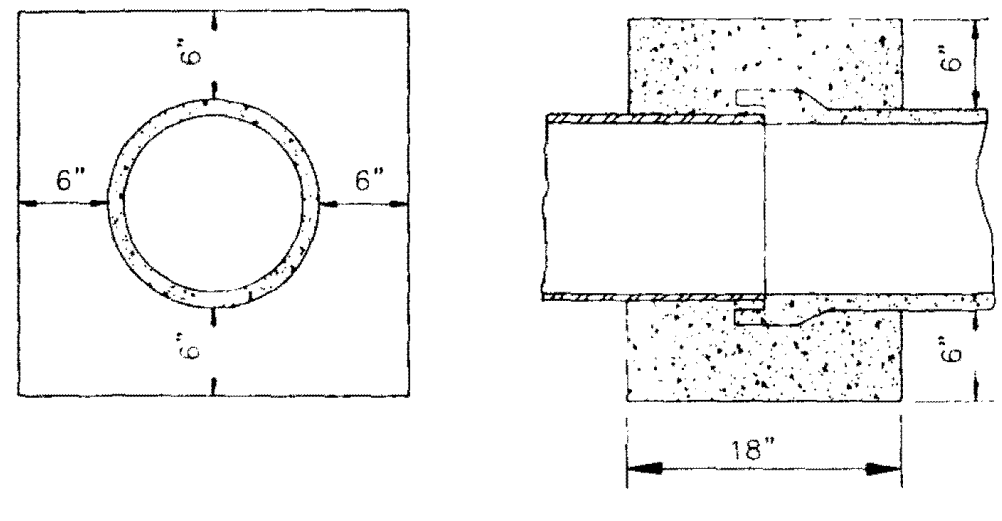
NOTE: 1. USE TYPE "A" MANHOLE CASTING IN STREET R.O.W.  
 2. USE HARPER NO. 2, CITY OF JACKSON STANDARD (420 lbs.) OR VULCAN NO. VM-15, CITY OF JACKSON STANDARD (420 lbs.)



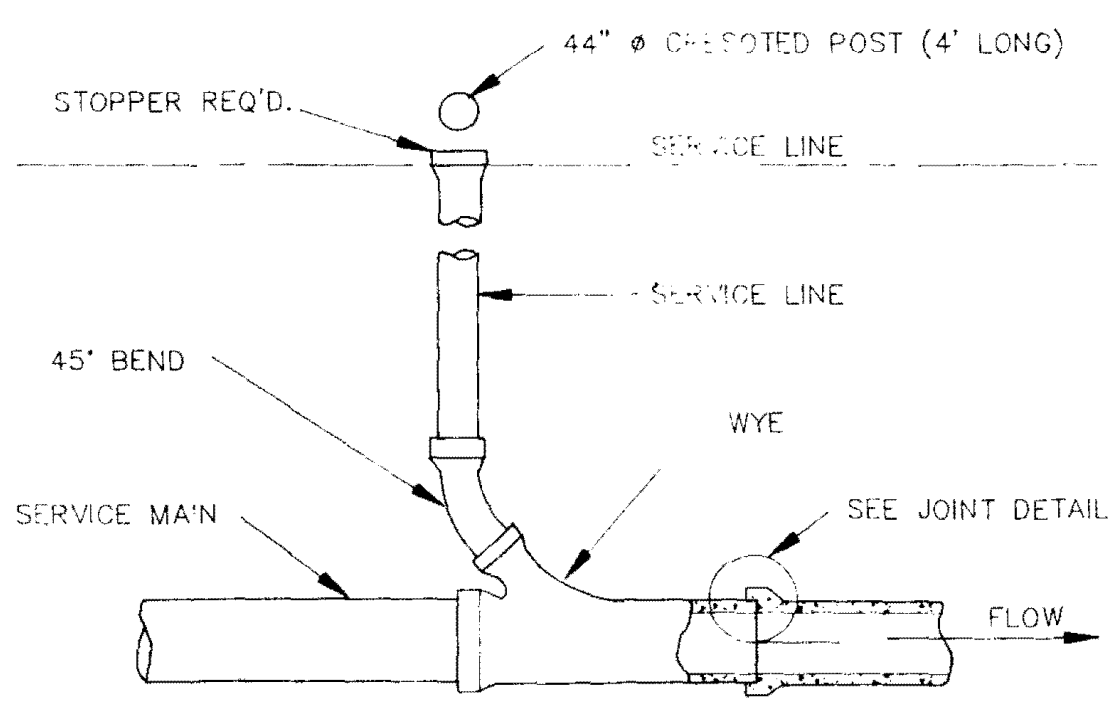
DETAIL TYPE "B" PIER



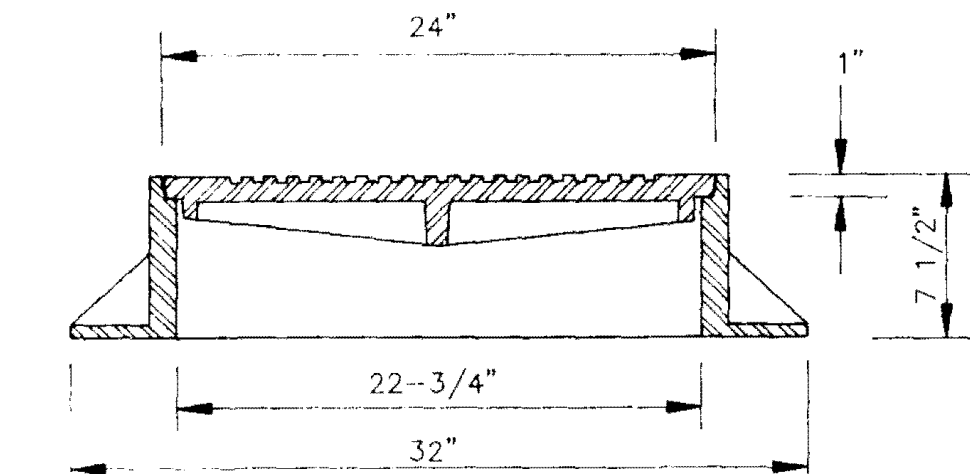
SECTION PRECAST CONCRETE MANHOLE



ELEVATION SECTION CONCRETE COLLAR DETAILS

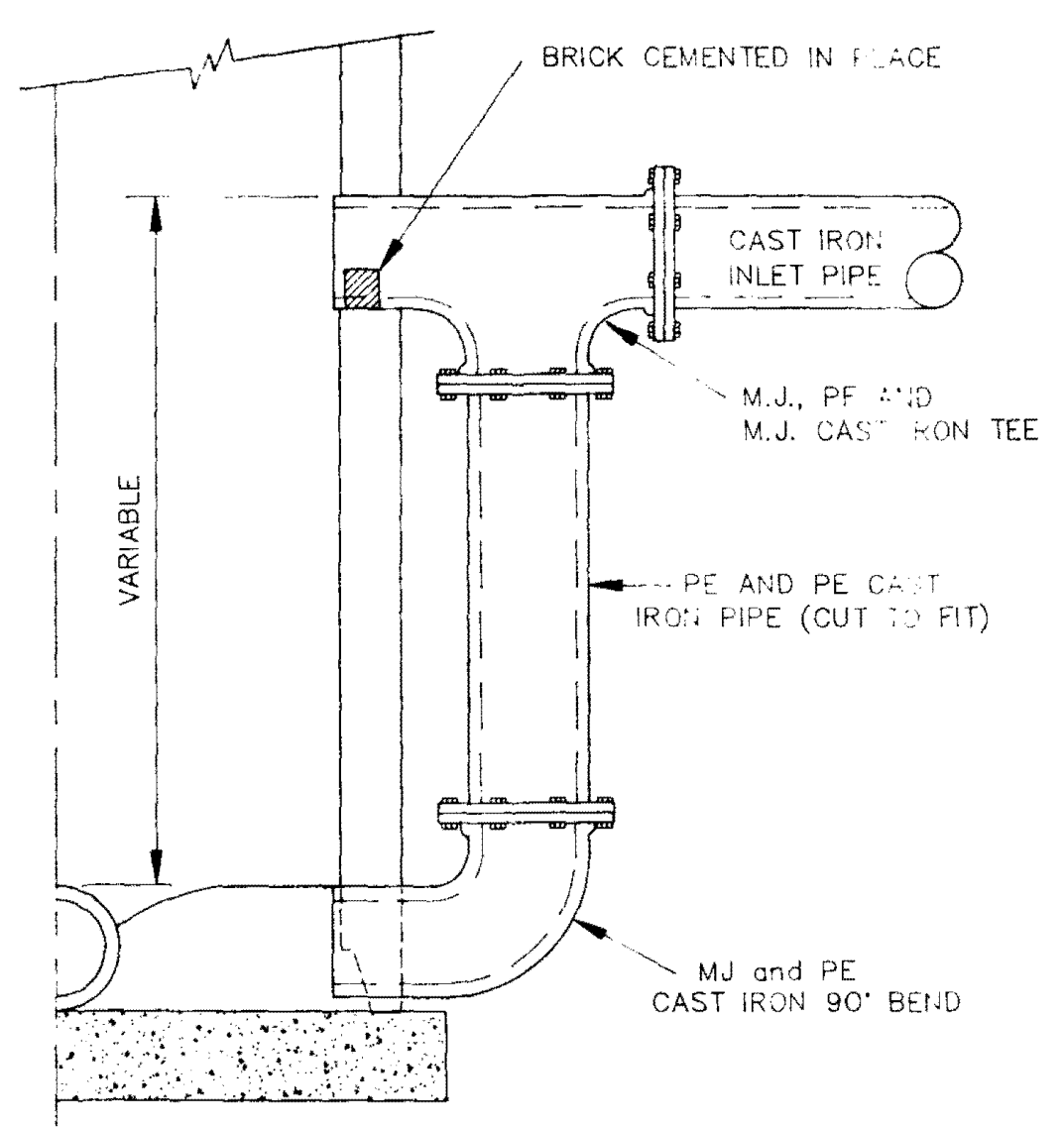


TYPICAL SERVICE TO PROPERTY LINE WITH WYE JOINT

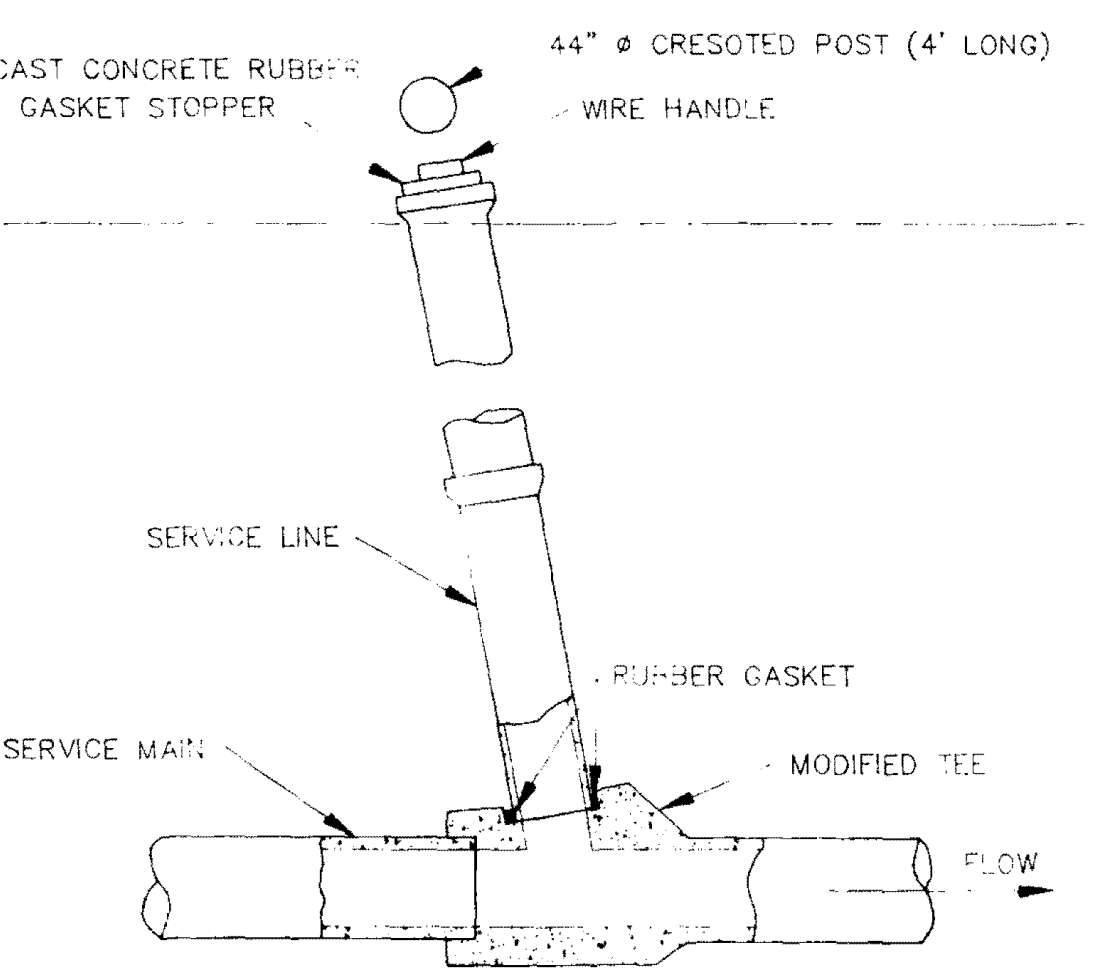


SECTION TYPE "B" MANHOLE CASTING

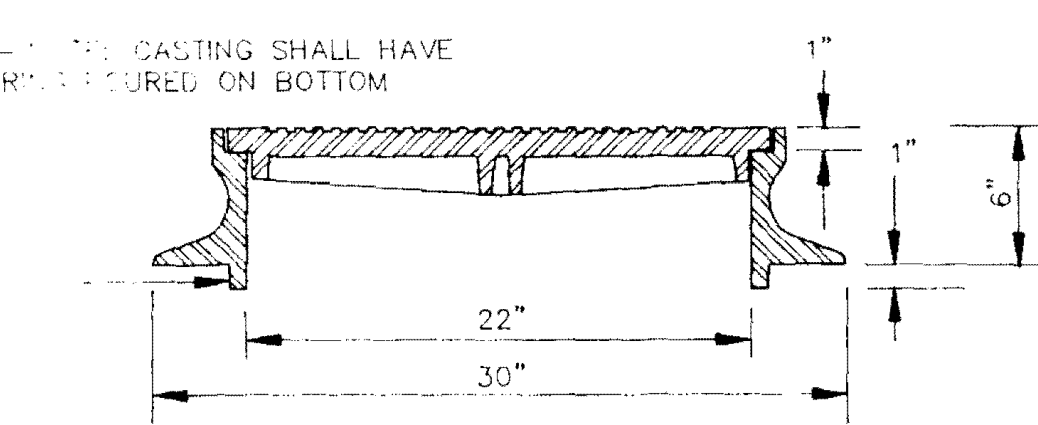
NOTE: 1. USE TYPE "B" MANHOLE CASTING FOR ANY MANHOLE NOT IN A STREET R.O.W.  
 2. USE HARPER NO. 1 (M.S.P.E. STANDARD LIGHT WEIGHT (330 LBS.)) OR VULCAN NO. VM-17 (300 LBS.) OR OPELIKA FOUNDRY NO. C-2-1 (325 LBS.)



HALF SECTION MANHOLE WITH DROP SECTION

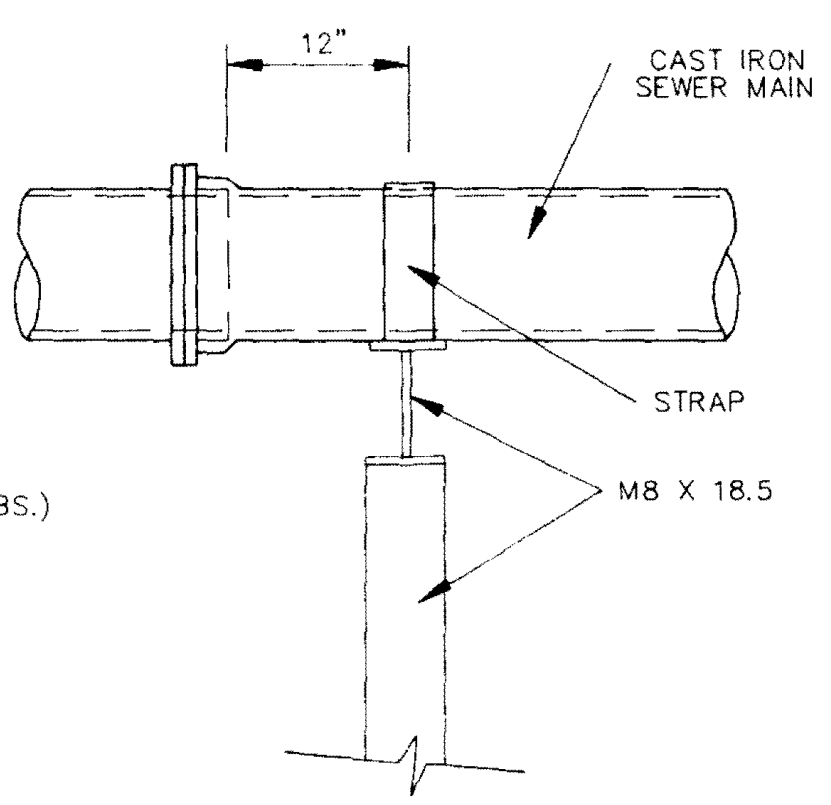


TYPICAL SERVICE TO PROPERTY LINE WITH MODIFIED TEE JOINT



SECTION TYPE "C" MANHOLE CASTING

NOTE: 1. USE TYPE "C" MANHOLE CASTING FOR PRECAST NOT IN A STREET R.O.W.  
 2. USE HARPER NO. 8 (330 LBS.) OR (NEENAH NO. R-1779 (300 LBS.) OR VULCAN NO. VM-7 (300 LBS.))



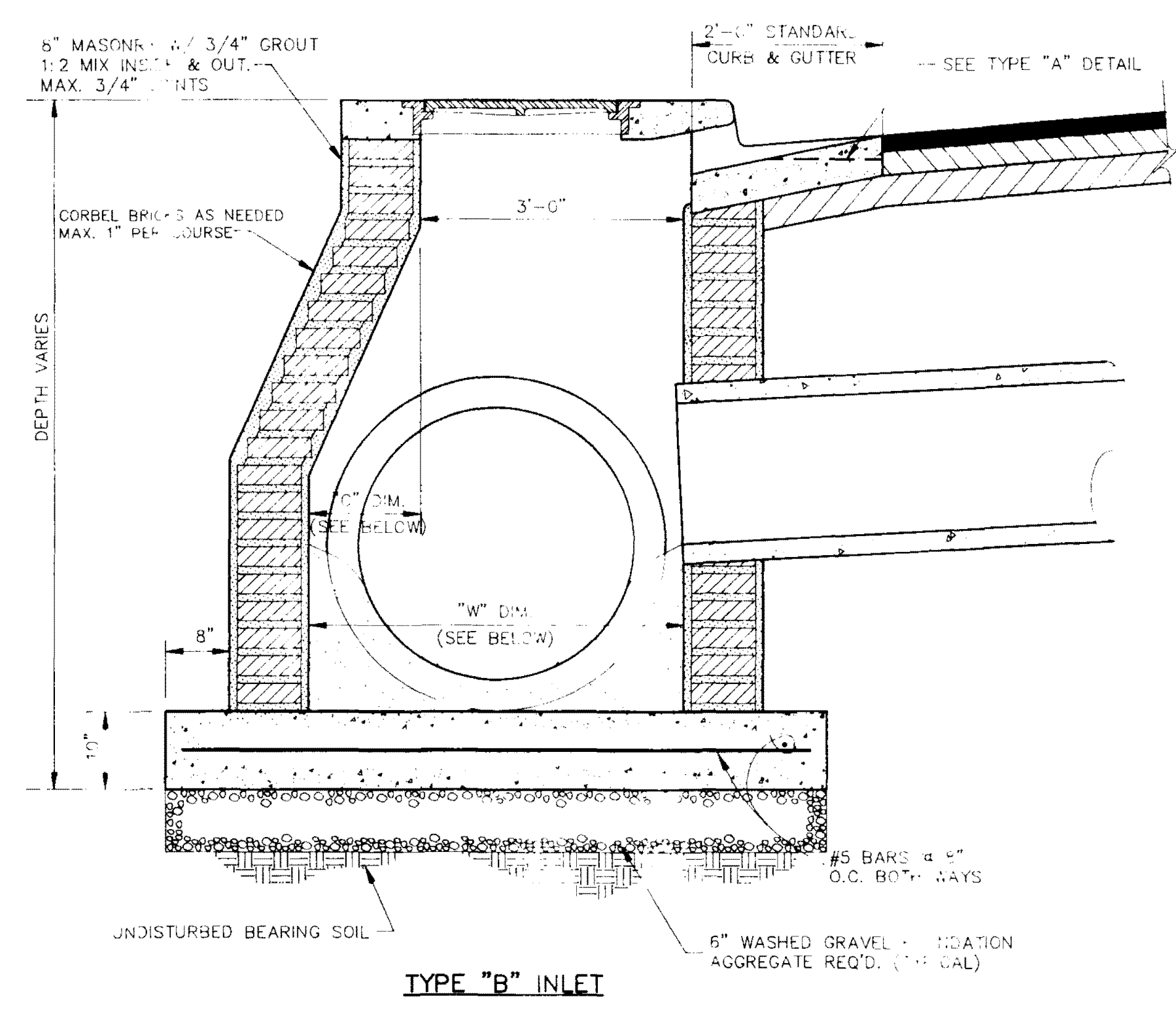
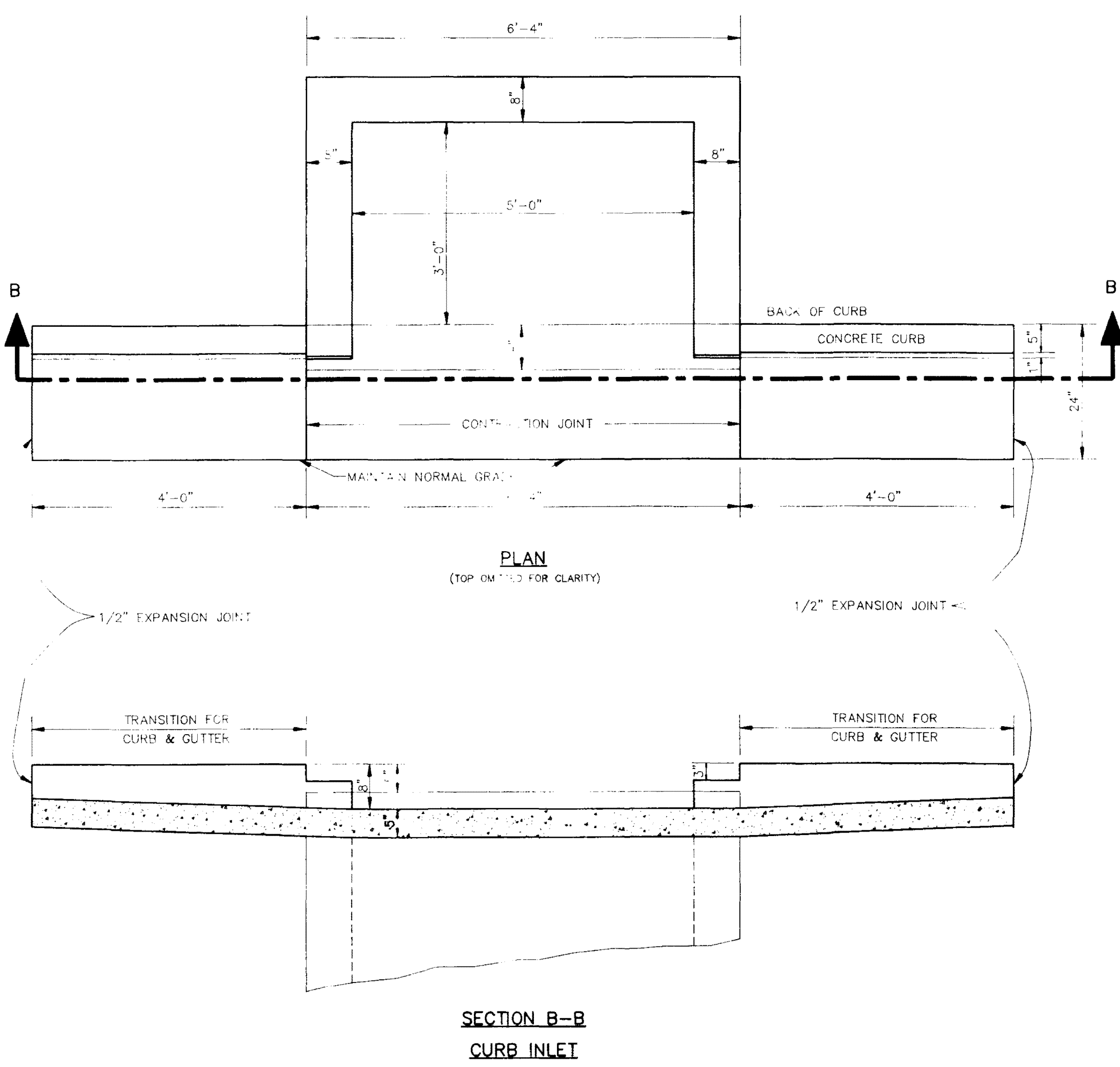
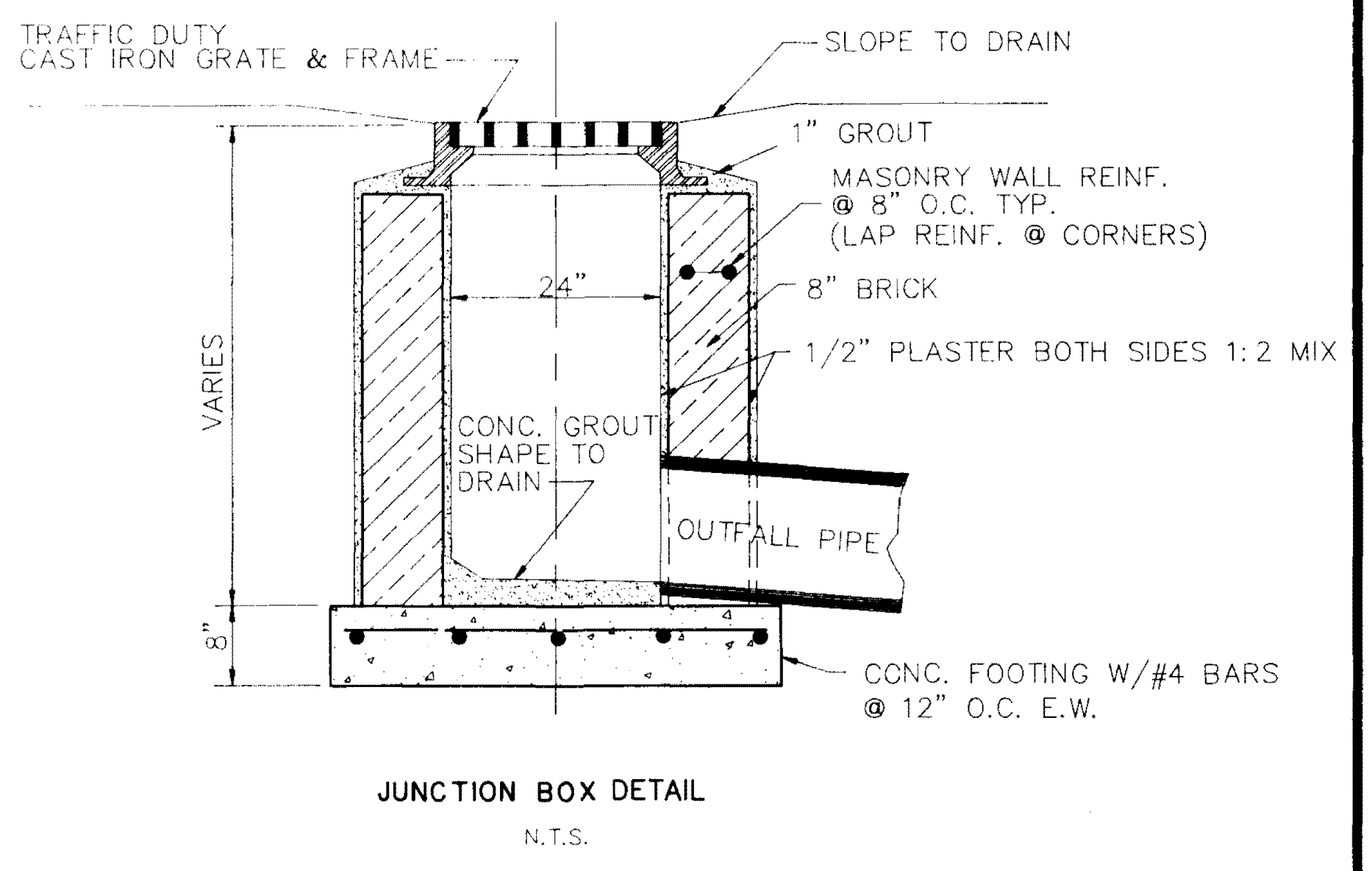
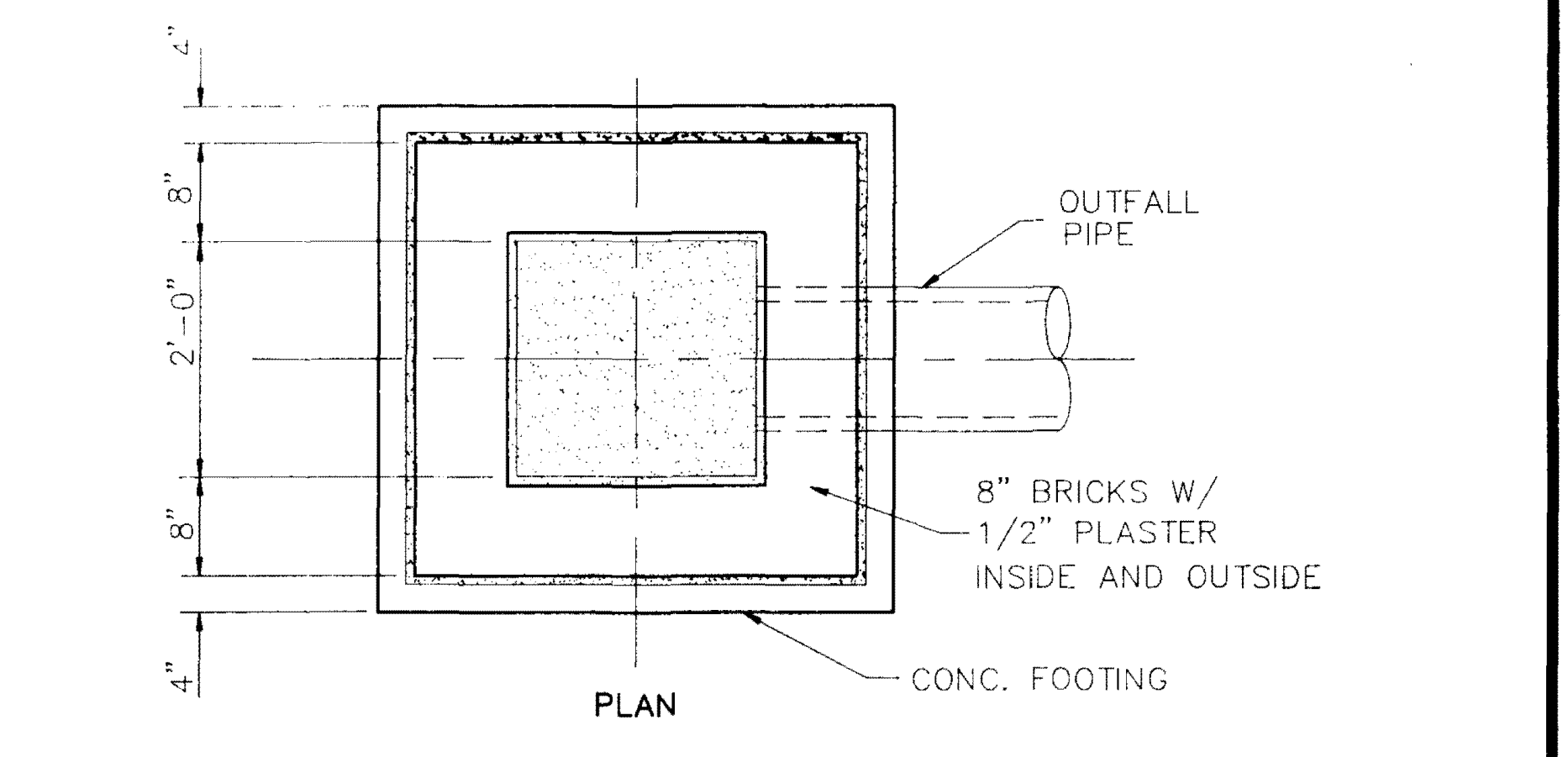
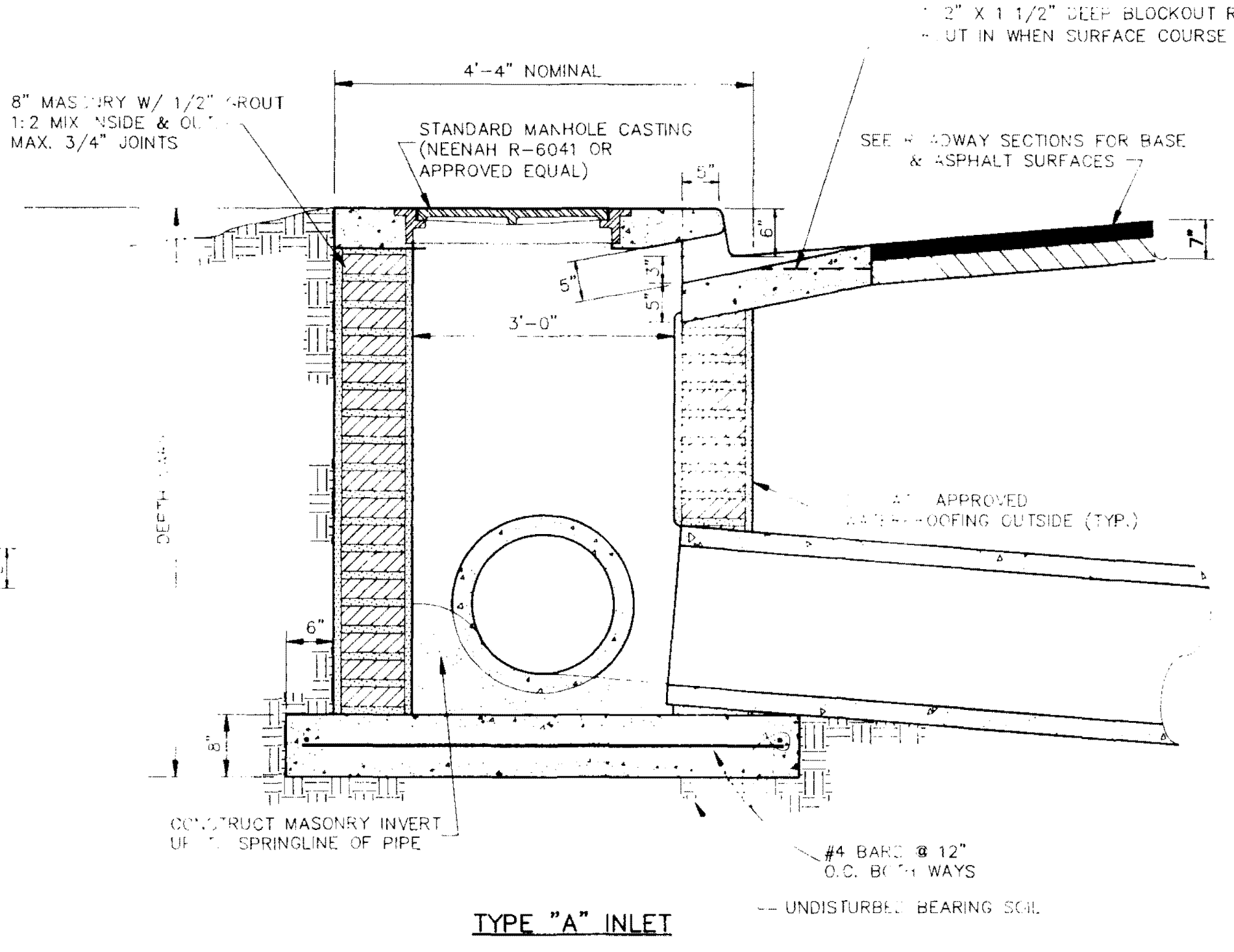
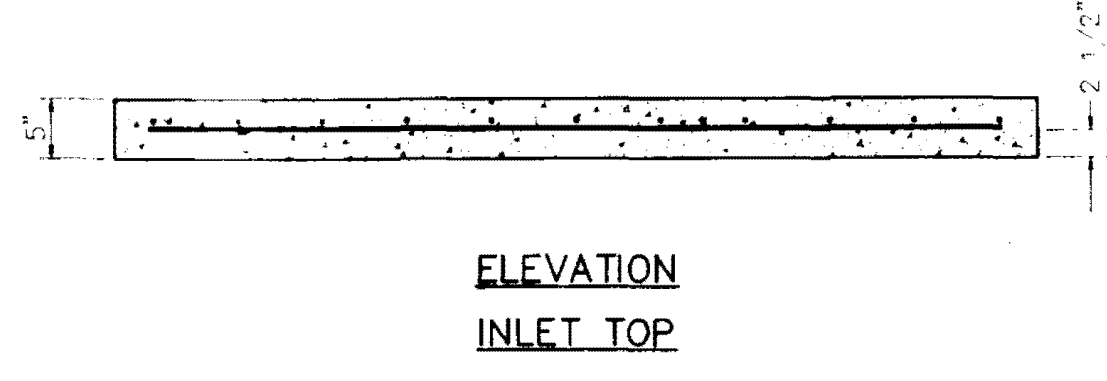
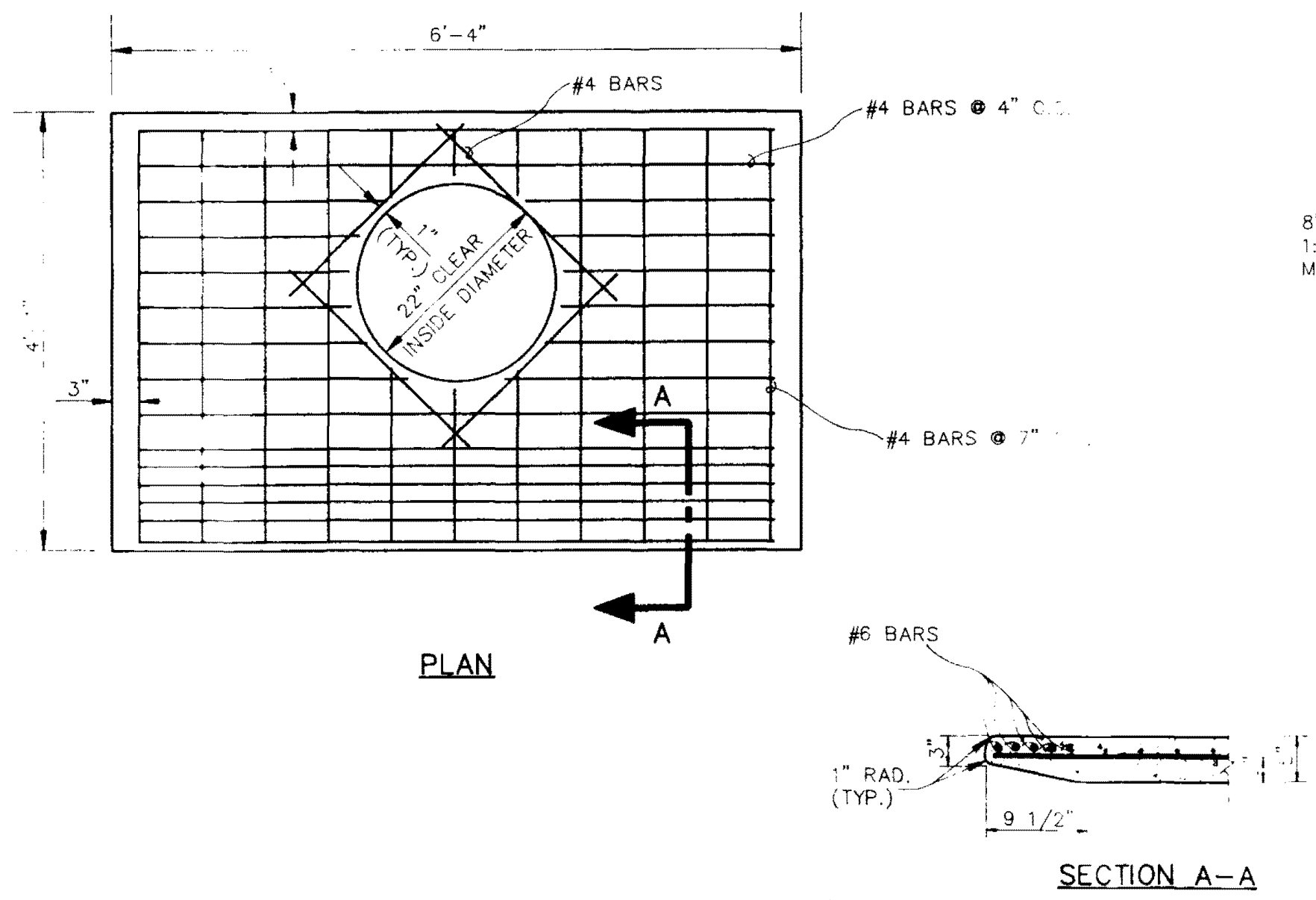
SIDE ELEVATION TYPE "B" PIER

SANITARY SEWER — STANDARD DETAILS  
 CITY OF RIDGELAND, MISSISSIPPI  
 ADCOCK DRIVE EXTENSION

WAGGONER ENGINEERING, INC.  
 Consulting Engineers - Jackson, Mississippi  
 DRAWN BY: C.R.H. DATE: MAY 1993 SHEET NUMBER  
 REVIEWED BY: B.W. SCALE: N.T.S. 9 OF 10

83040-DETAL





DIMENSIONS FOR TYPE "B" INLET				
PIPE I.D.	PIPE O.D.	U.M. "W"	DIM. "C"	MIN. COURSES CORBELLED
24"	33"	37"	4"	4
27"	36"	40"	4"	4
30"	39 1/2"	44"	8"	8
36"	45 1/2"	50"	14"	14

INLET DETAILS - STANDARD STORM SEWER

CITY OF RIDGELAND  
ADCOCK DRIVE EXTENSION

WAGGONER ENGINEERING, INC.  
Consulting Engineers - Jackson, Mississippi

DRAWN BY: C.R.H. DATE: MAY 1993 SHEET NUMBER

REVIEWED BY: B.W. SCALE: 3/4"=1'-0" 10 OF 10

93040/INLET